

RECORD OF PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF  
THE OHIO STATE UNIVERSITY

COLUMBUS  
July 1, 1990 to June 30, 1991  
VOLUME 1

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1990-1991

THE OHIO STATE UNIVERSITY

Edward H. Jennings, President  
(July 1, 1990 - August 31, 1990)

E. Gordon Gee, President  
(September 1, 1990 - June 30, 1991)

BOARD OF TRUSTEES

	<u>Term Beginning</u>	<u>Term Expiring</u>
Shirley Dunlap Bowser, Williamsport	May 14, 1982	May 13, 1991
Hamilton J. Teaford, Columbus	May 14, 1983	May 13, 1992
John J. Barone, Toledo	May 14, 1984	May 13, 1993
Deborah E. Casto, Columbus	May 14, 1985	May 13, 1994
John W. Kessler, Columbus	May 14, 1986	May 13, 1995
Milton A. Wolf, Cleveland	May 14, 1987	May 13, 1996
Leslie H. Wexner, Columbus	May 14, 1988	May 13, 1997
Alex Shumate, Columbus	August 10, 1989	May 13, 1998
Theodore S. Celeste, Columbus	June 19, 1990	May 13, 1999
Michael F. Colley, Columbus	May 15, 1991	May 13, 2000
Sophia L. Paige, Columbus	May 14, 1989	May 13, 1991
David A. Tonnies, Lake Milton	May 14, 1990	May 13, 1992

OFFICERS

Shirley Dunlap Bowser, Chairperson  
Hamilton J. Teaford, Vice Chairperson  
Madison H. Scott, Secretary  
James L. Nichols, Treasurer

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND TWO HUNDRED AND SIXTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 6, 1990

The Board of Trustees met at its regular monthly meeting on Friday, July 6, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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Minutes of the last meeting were approved.

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July 6, 1990 meeting, Board of Trustees

The Chairperson, Mrs. Bowser, called the meeting of the Board of Trustees to order on July 6, 1990, at 11:05 a.m. She requested the Secretary to call the roll.

Present: Shirley D. Bowser, Chair, Hamilton J. Teaford, John J. Barone, John W. Kessler, Milton A. Wolf, Alex Shumate, Theodore S. Celeste, Sophia L. Paige, and David A. Tonnies.

### **HOSPITALS BOARD COMMITTEE REPORT**

Mr. Teaford:

The Executive Committee of the Hospitals Board met on Thursday, June 28, 1990. Mr. Richard Schrock, Administrator for Financial Services, reported that increased activity in both in-patient and out-patient areas during May helped improve the Hospitals' cash position by \$661,000, although it is true we will still have approximately a \$1 million loss for the fiscal year.

Dr. Mekhjian informed us that the Clinical Productivity Task Force, which was formed to identify ways to increase cost efficiency without compromising the quality of care, has submitted its report to the Medical Staff Administrative Committee. Its recommendations were endorsed and additional suggestions were made. This will become a standing committee which will make regular reports to the Medical Staff leadership. Dr. Mekhjian, also, presented the 1990-91 Medical Staff Appointments and Reappointments which the Hospitals Board's Executive Committee did endorse and which we have forwarded to you for action today.

Another piece of evidence that the Hospitals are working very diligently on is cost cutting, but still keeping in mind that it will never touch the quality of care. This has been a regular practice of the Hospitals. And, I think, you will find that despite the kinds of publicity there are about hospitals today, University Hospitals is really on a lean budget and a good one.

Mrs. Patricia Bennett presented the annual report of the Hospitals' Service Board, outlining their considerable friend- and fund-raising efforts through the past year. We expressed our appreciation to Mrs. Bennett and the entire membership and welcomed Mrs. Amelia Nasrallah as the incoming president.

Mr. Bruce Pontious shared insights into effective and successful fund-raising strategies for the future and proposed the establishment of a Medical Center Development Council. This Council would be composed of major donors, community and regional leaders, and representatives from various medical center components. The plan is that the University Trustees would be represented through one of the Hospitals Board members, hopefully Mr. Shumate. We endorsed the establishment of the Council because of the strong support it would provide for the Medical Center's development plans as outlined in the strategic plan. Without significant contributed funds, the Hospitals simply will not be able to meet its capital needs. So this becomes a very, very, important component. It is made all the more difficult because the Hospitals will be competing with the Cancer Hospital and Research Center Institute for funds.

Ms. Karen Jackson reviewed the Safety Program which is in place for employees, visitors, and patients in the Hospitals. Such reports will be a regular quarterly feature of the Hospitals Board meetings because that is now a requirement of the accrediting body.

July 6, 1990 meeting, Board of Trustees

### **HOSPITALS BOARD COMMITTEE REPORT (contd)**

Mr. Teaford: (contd)

Mr. Jerry Maier summarized the activities of the helicopter service and its dollar impact on the Hospitals, and did demonstrate, by his report, that despite the fact that the helicopter service is subsidized, it does result in net gains for the Hospitals increased patient revenue. He also reported that Children's Hospital has recently decided to rejoin the Helicopter Consortium. Mr. Maier also provided progress reports on MedOhio and the Camera Center and Beechwold Center affiliations.

Ms. Kam Sigafoos reported that we are developing a special hospitality area at the Ramada Inn for use by ambulatory surgery patients and their families, and thanked Mr. Nichols for his effort. Special rates and transportation services are being provided to our ambulatory patients.

The Hospitals' administrative and medical staffs recommended that we move forward with a Certificate of Need to extend the use of the biliary lithotripter for clinical applications. The lithotripter is currently limited to research purposes only. In other words, we can't charge anybody for using the machine. We authorized the Hospitals to proceed with the new Certificate of Need.

That completes my report, Madam Chair, but I do have a proposed Resolution. There is presently a vacancy on the Hospitals Board and we are recommending the appointment of Bernadine P. Healy, M.D., to that vacancy. I might point out that Dr. Healy is the Director of Research at the Cleveland Clinic. The one doctor member of the Board is retiring and so it is particularly important that we add another doctor to the Board.

### **UNIVERSITY HOSPITALS BOARD APPOINTMENT**

Resolution No. 91-1

Synopsis: Confirmation and approval of a nominee to the University Hospitals Board.

WHEREAS the Board of Trustees on November 30, 1979, approved the establishment of a University Hospitals Board; and

WHEREAS the membership of the Hospitals Board was approved on April 4, 1980, and has been subsequently amended; and

WHEREAS the term of a general public member of the Hospitals Board has expired:

NOW THEREFORE

July 6, 1990 meeting, Board of Trustees

**UNIVERSITY HOSPITALS BOARD APPOINTMENT (contd)**

BE IT RESOLVED, That the following nominee be approved as a general public member of the University Hospitals Board, effective immediately, for a term ending April 30, 1993:

Bernadine P. Healy, M.D.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**INVESTMENTS COMMITTEE REPORT**

Mr. Teaford:

The Investments Committee met this morning and reviewed the status of the Endowment Portfolio as presented by Mr. Rodack. As of June 15, 1990, the market value of the endowment was \$321 million, an increase from \$312.6 million just last month. We were informed that in the last two months, due to the favorable market, our portfolio increased \$19 million. For last year, or at least through 11 1/2 months of last year, the endowment portfolio increased by \$33.7 million, \$20 million of which was in new money. That is the largest amount of new money added to the endowment in any area in the history of the University. The earnings to date last year were \$16.3 million, and \$14.7 million will be distributed in 1990, or has been. It is estimated that \$16 million will be available for distribution in 1991.

(See Appendix I for complete context of The Ohio State University Endowment Summary, June 15, 1990, page 113.)

We also heard a report on the Student Endowment Portfolio by students and professors. I might point out that the return in the four months that the students invested the \$5 million fund was 13.2 percent, which is on an annualized basis of 40 percent. That is 3 percent above Standard and Poor, so indeed that is a very fine performance.

I indicated to them that in order for anyone to receive an "A" in that course we would expect that percentage to be maintained. It is interesting to note that there are some 100 students involved in the course over four different quarters. Several students referred it to a capstone course. One of the students is now a member of the Alumni and he indicated that this course had really been a very valuable experience in preparing him for his career.

(See Appendix II for The Student Investment Management Program, page 129.)

July 6, 1990 meeting, Board of Trustees

**INVESTMENTS COMMITTEE REPORT (contd)**

Mr. Teaford: (contd)

We are also recommending the following resolution:

**AUTHORIZATION FOR DESIGNATED OFFICIALS TO BUY, SELL, ASSIGN  
AND TRANSFER SECURITIES, TO DEPOSIT OR WITHDRAW FUNDS  
FROM BANK ACCOUNTS, AND TO DESIGNATE DEPOSITORIES**

Resolution No. 91-2

Synopsis: The Investments Committee recommended reaffirmation of Board of Trustees Resolution No. 90-2 (July 7, 1989), which authorized designated officials to buy, sell, assign and transfer securities, to deposit or withdraw funds from bank accounts held in the name of The Ohio State University, and to designate depositories.

WHEREAS designated officials of the University buy, sell, assign and transfer stocks, bonds and other financial instruments owned by The Ohio State University; and

WHEREAS various financial institutions are designated as depositories for The Ohio State University; and

WHEREAS accounts at various financial institutions are opened and maintained in the name of The Ohio State University:

**NOW THEREFORE**

BE IT RESOLVED, That the Vice President for Business and Administration and/or the Treasurer be authorized and empowered to buy, sell, assign and transfer any and all stocks, bonds, evidences of interest and/or indebtedness, rights and options to acquire or to sell the same, and all other securities corporate or otherwise, standing in the name of or belonging to The Ohio State University in any capacity; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration and/or Treasurer be authorized and empowered to designate various financial institutions as depositories for The Ohio State University and open and maintain accounts at various financial institutions in the name of The Ohio State University; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration and/or the Treasurer be authorized, on behalf of The Ohio State University and in its name, to sign checks, drafts, notes, bills of exchange, acceptances or other orders for the payment of money from said accounts; to endorse in writing or by stamp checks, notes, bills, certificates of deposit or other instruments owned or held by this University for deposit in said accounts or for collection or discount by said banks; to accept drafts, acceptances, and other instruments payable to said banks; to waive, demand, protest, file notice of protest, or dishonor any check, note, bill, draft or other instrument made, drawn or endorsed by the University.

Upon motion of Mr. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

July 6, 1990 meeting, Board of Trustees

### **INVESTMENTS COMMITTEE REPORT (contd)**

Mr. Teaford:

Also, you will be happy to know that in the Fiscal Year 1990, the portfolio was even with inflation. So inflation did not have a negative factor on the portfolio.

I concluded that meeting by, again, recognizing the extraordinary assistance of Weldon Ihrig to this Board, and I want to do that publicly as well, at this meeting. Weldon has been a tower of strength for this Board. His integrity is beyond question and we very much appreciate the efforts that he has given us. That completes my report, Madam Chair.

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### **ACADEMIC AFFAIRS COMMITTEE REPORT**

Mr. Kessler:

The Academic Affairs Committee received a report this morning on the Deans' Meeting in Washington, D.C., headed by Dean Donald Harris and Dr. Manuel Tzagournis. Fred, if you could just briefly talk about the meeting --

Dr. Hutchinson:

We adopted an agenda this year for the Deans. I asked them a year ago to set up an agenda of things they wanted to work on for the year. One item was what we could do to enhance the academic image of Ohio State, not that Ohio State doesn't have a good image, but we would like to enhance it both in the State and nationally. One idea was the deans meeting in Washington, D.C., and, in fact, meeting with the heads of several of the major federal agencies. We were able to do that on June 13 and 14 of this year. I would like to note that there was no extra cost, because all of our deans have to go to Washington, periodically, and we simply scheduled that so they all went at the same time. Almost all of the deans were there for the two days. We do have some pictures on display for you to look at and I am passing out programs for your information.

Mr. Kessler:

Thank you. The Committee is recommending the following resolutions:

#### **AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY**

Resolution No. 91-3

Synopsis: The Academic Affairs Committee recommended the approval of amendments to rules 3335-5-19, 3335-47-10, and 3335-47-11, of the Rules of the University Faculty.

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to the Board of Trustees the adoption of amendments to the Rules of the University Faculty as approved by the University Senate; and

July 6, 1990 meeting, Board of Trustees

**AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)**

WHEREAS the proposed changes in the Rules of University Faculty were approved by the University Senate on June 2, 1990, as follows:

**AMENDED RULES**

**3335-5-19 Faculty.**

As used in these rules the term "faculty" shall include persons appointed by the board of trustees with regular, regular clinical, auxiliary, and emeritus faculty titles on full- or part-time appointments, with or without salary.

- (A) "Regular faculty": persons with the titles of professor, associate professor, assistant professor, and instructor who serve on appointments totaling fifty per cent or more service to the university.
- (B) "Regular clinical faculty": persons with the titles of professor of clinical (division, department or college), associate professor of clinical (division, department or college), assistant professor of clinical (division, department or college), and instructor of clinical (division, department or college), who serve on appointments totaling fifty per cent or more service to the university. Regular clinical faculty appointments are made only in the college of dentistry, the college of optometry, the departments of veterinary clinical sciences and veterinary preventive medicine in the college of veterinary medicine, the divisions of pharmacy practice and pharmaceutical administration in the college of pharmacy, and the following departments in the college of medicine: anesthesiology, emergency medicine, family medicine, internal medicine, neurology, obstetrics and gynecology, ophthalmology, otolaryngology, pathology, pediatrics, physical medicine, preventive medicine, psychiatry, radiology, and surgery.

The number of persons holding regular clinical faculty titles in each division, department or college cannot be greater than one-third the number of persons holding regular faculty titles in that division, department or college. Individuals appointed to the regular clinical faculty are limited to participating in governance at the division, departmental and college levels, but may not participate in promotion and tenure matters of regular faculty.

(Balance unchanged)

**3335-47-10 Regular faculty ranks (requisites, capacities, and tenure accrual).**

**(A) Instructor.**

- (1) Recommendations for appointment as an instructor are subject to the following conditions:
- (a) Formal requisite: baccalaureate degree and master's degree, or its equivalent, and at least three years of graduate study or relevant professional experience.
  - (b) Capacities: satisfactory evidence that the person being appointed possesses the capacity to develop and meet substantially the criteria described in criteria for promotion and tenure, rule 3335-47-02 of the Administrative Code.
  - (c) Tenure: before an instructor will be granted tenure at that rank, a six-year probationary period must be completed.

**AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)**

- (2) Initial appointments as an instructor are on a probationary basis. Performance is reviewed annually during the probationary period to determine whether or not the appointment will be renewed, subject to the standards of notice set forth in rule 3335-47-09 of the Administrative Code. If the appointment is renewed for a fourth year, the university will inform the instructor during the fourth year as to whether or not the individual is a candidate for tenure. If the instructor is not considered a candidate for tenure, the appointment will not be renewed after the end of the fifth year. If the appointment is renewed for a sixth year, the person involved will be informed by the chairperson or dean, during the sixth year of service, if tenure is to be granted beginning with the seventh year of service. If tenure is not granted, a one-year terminal appointment as instructor will be offered.

**(B) Assistant professor.**

- (1) Recommendations for appointment as an assistant professor are subject to the following conditions:
  - (a) Formal requisite: Ph.D. degree or equivalent qualification.
  - (b) Capacities: demonstrated evidence that the person being appointed possesses the capacity to meet substantially the criteria described in rule 3335-47-02 of the Administrative Code.
  - (c) Tenure: before an assistant professor will be granted tenure at that rank, a six-year probationary period must be completed. Service to the university as an instructor (without interruption on any campus) will be counted in meeting this probationary requirement. Tenure may be granted at an earlier time upon promotion to associate professor.
- (2) Initial appointments as an assistant professor are on a probationary basis. Performance is reviewed annually during the probationary period to determine whether or not the appointment will be renewed, subject to the standards of notice. If the appointment is renewed for a fourth year, the university will inform the assistant professor involved during the fourth year as to whether candidacy for tenure is to be considered. If the assistant professor is not considered a candidate for tenure, the appointment will not be renewed after the end of the fifth year. If the appointment is renewed for the sixth year, the person involved will be informed by the chairperson or dean during the sixth year of service, if tenure is to be granted beginning with the seventh year of service. If tenure is not granted, a one-year terminal appointment as assistant professor will be offered.

**(C) Associate professor.**

- (1) Recommendations for appointment as an associate professor are subject to the following conditions:
  - (a) Formal requisite: Ph.D. degree or equivalent qualification.
  - (b) Capacities: demonstrated evidence that the person appointed meets substantially the criteria described in criteria for promotion and tenure, rule 3335-47-02 of the Administrative Code, and that professional development will continue.



July 6, 1990 meeting, Board of Trustees

**AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)**

- (c) Tenure: a person promoted to associate professor from a lower rank at this university will acquire tenure upon the effective date of promotion.
- (2) A person appointed from outside of this university as an untenured associate professor will serve a probationary period.
  - (a) The probationary period will be two years except as noted in paragraph (C)(2)(b) of this rule. During the second year, the person involved will be informed by the chairperson or dean if tenure is to be granted beginning with the third year of service. If tenure is not granted, a one-year terminal appointment as associate professor will be offered.
  - (b) In cases where the appointment of an individual to the associate professor rank is based upon professional experience of a non-academic nature, the probationary period may be as long as four years. The additional time is provided to give the individual an opportunity to demonstrate appropriate academic accomplishments. The length of the probationary period will be part of the official appointment offer and will have approval of the appropriate dean and the vice president for academic affairs and provost. In this case, the decision to award tenure must be made no later than the last year of the approved probationary period. The decision will be made according to the unit's normal review procedures. If tenure is not granted, a one-year terminal appointment as associate professor will be offered.
- (3) A person appointed from outside this university as a tenured associate professor must have prior approval of the appropriate dean and the vice president for academic affairs and provost.

(Balance unchanged)

**3335-47-11 Regular clinical faculty ranks.**

The titles of regular clinical faculty are professor of clinical (division, department or college), associate professor of clinical (division, department or college), assistant professor of clinical (division, department or college), and instructor of clinical (division, department or college). Individuals in this track may have a full range of responsibilities to appropriate academic units with emphasis on patient care and clinical teaching activities. Clinical activities for faculty members in this category are to be included in approved practice plans.

**(A) Appointment criteria.**

Initial appointments, or transfer, to the regular clinical faculty will be made for individuals with the following experience or credentials:

- (1) They are strict or geographic full-time faculty members in academic units authorized to make regular clinical faculty appointments (see paragraph (B) of rule 3335-5-19 of the Administrative Code).
- (2) They engage in activities which consist primarily of patient care and clinical teaching and supervision.

**AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)**

- (3) They have the appropriate educational background and credentials to engage in the activities outlined in paragraph (A)(2) of this rule. Formal requisite: D.D.S., D.V.M., M.D., Pharm. D., or O.D. degree or equivalent qualification.
- (4) They are essential to the continuing mission of the relevant college as determined by the appropriate clinical division or department chairperson, dean of the college, and vice president for academic affairs and provost.

**(B) Term of appointment.**

- (1) In the first term of appointment to the regular clinical faculty, appointees will be reviewed annually. During the fourth year, a formal review will be conducted. The faculty member will be informed if the appointment is to be renewed after the fifth year.
- (2) Subsequent appointments will be for periods of five years in lieu of tenure. A formal review will be conducted in the fourth year and the faculty member will be informed if the appointment is to be renewed after the fifth year for another five-year term.
- (3) All appointments will be based upon criteria established by the academic unit authorized to make regular clinical faculty appointments (see paragraph (B) of rule 3335-5-19 of the Administrative Code), approved by the dean of the college, and the vice president for academic affairs and provost.
- (4) If the appointment is not renewed, standards of notice must be in accordance with rule 3335-47-09 of the Administrative Code.

**(C) Transfers.**

It is generally expected that the needs of the academic unit and the career goals of the prospective faculty member will result in meshing of need, expectation, responsibility, and expertise to allow a long-term appointment to either the regular faculty or regular clinical faculty. Should a transfer be considered appropriate, the following must be accomplished:

- (1) through (3) unchanged.
- (4) All transfers must be approved by the department appointments, promotions and tenure committee (or college if no departments exist), the division or department chairperson, the dean of the college, and the vice president for academic affairs and provost.
- (5) Only one transfer to or from the regular clinical faculty will be approved during an individual's period of employment at the Ohio state university.

**(D) Promotions.**

Nominations for promotion originate in the department (or college if no departments exist) in accordance with criteria and procedures established by departmental (or college) faculty.

- (1) A department or college may recommend the promotion of an instructor of clinical (division, department or college) to the rank of an assistant professor of clinical (division, department or college) or the promotion of an assistant professor of clinical (division, department or college) to the rank of associate professor of clinical (division, department or college) at any time up to the end of the ninth year. An individual who is not promoted

July 6, 1990 meeting, Board of Trustees

**AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)**

by the end of nine years will be reviewed by the chairperson or dean and the appointments, promotions and tenure committee of the department or college to determine if continued employment is warranted. All recommendations will be reviewed by the appointments, promotions and tenure committee of the department, the college, and the office of academic affairs.

- (2) A department or college may recommend the promotion of an associate professor of clinical (division, department or college ) to professor of clinical (division, department or college) in recognition of outstanding accomplishments. Promotion may be recommended no earlier than the third year of service as an associate professor of clinical (division, department or college). All recommendations will be reviewed by the appointments, promotions and tenure committee of the department, the college, and the office of academic affairs. (B/T 10/5/84, B/T 5/4/89, B/T 7/6/90)

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

Upon motion of Mr. Kessler, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT**

Resolution No. 91-4

Synopsis: The Academic Affairs Committee recommended the approval of Degrees and Certificates for Summer Quarter.

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit, in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees the names of persons who have completed degree and certificate requirements:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on August 30, 1990, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools, and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Kessler, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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## PERSONNEL ACTIONS

Resolution No. 91-5

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 1, 1990 meeting of the Board, including the following Appointment, Change in Title, Reappointment of Principal Administrative Official, Appointment of Chairpersons of Departments, Reappointment of Chairpersons of Departments and Directors of Hospital and School, Reappointment of Chairpersons of Divisions--Correction in Dates, Leaves of Absence Without Salary, Leave of Absence Without Salary--Change in Dates, Leave of Absence Without Salary--Continuation, Professional Improvement Leaves--Cancellation, Professional Improvement Leaves--Change in Dates, Promotions/Tenure, Promotion/Tenure--Correction, Emeritus Titles, and Authorization as detailed in the University Budget be approved; and the Medical Staff Appointments approved May 31, 1990, and the 1990-91 Medical Staff Appointments/Reappointments approved June 28, 1990, by the Hospitals Board be ratified; and the Medical Staff Appointments and the Honorary Staff Appointments for The Arthur G. James Cancer Hospital and Research Institute be approved.

### Appointment

Name: MOON H. KIM  
Title: Professor (Richard L. Meiling Chair of Obstetrics and Gynecology)  
Department: Obstetrics and Gynecology  
Effective: July 1, 1990  
Salary: \$64,800.00  
Present Position: Vice Chairperson and Professor, Department of Obstetrics and Gynecology and Director, Division of Reproductive Endocrinology and Infertility

### Change in Title

Name: MAC A. STEWART  
Title: Acting Dean  
College: University College  
Effective: July 1, 1990  
Salary: \$66,000.00  
Present Position: Associate Dean, University College

### Reappointment of Principal Administrative Official

ASTRID E. MERGET, Acting Dean, College of Business, effective July 1, 1990, through December 31, 1990, pursuant to rule 3335-3-17 of the Administrative Code.

### Appointment of Chairpersons of Departments

July 1, 1990 through June 30, 1994

Aviation  
Emergency Medicine  
Entomology

William E. Pippin  
Douglas A. Rund  
David J. Horn

August 1, 1990 through June 30, 1994

Poultry Science

Forest Muir

July 6, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

#### Reappointment of Chairpersons of Departments and Directors of Hospital and School

July 1, 1990 through June 30, 1991

Veterinary Hospital

John A. E. Hubbell

July 1, 1990 through June 30, 1994

Engineering Mechanics  
Industrial and Systems Engineering  
Landscape Architecture

Sunder H. Advani  
George L. Smith, Jr.  
Douglas S. Way

October 1, 1990 through December 31, 1990

School of Public Policy and  
Management

Henry L. Hunker\*

October 1, 1990 through June 30, 1994

Family Resource Management

Sherman D. Hanna

#### Reappointment of Chairpersons of Divisions--Correction in Dates

July 1, 1990 through June 30, 1994

Division of Pharmacology  
Division of Pharmacy Practice

Dennis R. Feller  
Richard H. Reuning

\*Acting Director

Correction to Board of Trustees Resolution No. 90-116, approved May 3, 1990, pertaining to the appointment of President Jennings to the Academic Faculty of Finance.

As reads: BE IT RESOLVED, That a Notice of Appointment be issued to Dr. Edward H. Jennings specifying the rank of Professor in the Academic Faculty of Finance for a 9 month appointment commencing Autumn Quarter 1990 at a salary of \$119,660; and

IATR: BE IT RESOLVED, That a Notice of Appointment be issued to Dr. Edward H. Jennings specifying the rank of Professor in the Academic Faculty of Finance for a 9 month appointment commencing Autumn Quarter 1990 at a salary of \$119,760; and

#### Leaves of Absence Without Salary

JAMES L. MACHOR, Associate Professor, Department of English (Lima Campus), effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to accept a teaching position at Kansas State University.

WILLIAM M. BOAL, Assistant Professor, Department of Economics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to do research work at Stanford University, Economics Department.

July 6, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

#### **Leaves of Absence Without Salary (contd)**

PAUL E. GABRIEL, Assistant Professor, Department of Economics (Lima Campus), effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to serve as a faculty member of the Department of Economics, College of Business Administration, Loyola University.

MICHEL T. T. JACKSON, Assistant Professor, Division of Speech and Hearing Science, effective Autumn Quarter 1990 and Winter Quarter 1991, to accept a post-doctoral training position in the Speech Communication Group at MIT.

FRANCINE SEVEL, Assistant Professor, School of Allied Medical Professions, effective July 7, 1990, through August 5, 1990, for personal reasons.

FATANEH TAGHABONI, Assistant Professor, Department of Industrial and Systems Engineering, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, for personal reasons.

#### **Leave of Absence Without Salary--Change in Dates**

LAWRENCE R. BRAMLAGE, Associate Professor, Department of Veterinary Clinical Sciences, change leave from August 1, 1989, through July 31, 1990, to August 1, 1989, through May 31, 1990.

#### **Leave of Absence Without Salary--Continuation**

YAIR TAUMAN, Professor, Department of Economics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to continue his visiting professorship at Stony Brook.

#### **Professional Improvement Leaves--Cancellation**

PHILIP D. STEWART, Professor, Department of Political Science, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991.

HARVEY G. SHULMAN, Associate Professor, Department of Psychology, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991.

#### **Professional Improvement Leaves--Change in Dates**

JOSEPH C. FERRAR, Professor, Department of Mathematics, change leave from Winter Quarter and Spring Quarter 1991, to Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

BELTON M. FLEISHER, Professor, Department of Economics, change leave from Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to Summer Quarter 1990, Winter Quarter and Spring Quarter 1991.

SIA K. WONG, Associate Professor, Department of Mathematics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to Autumn Quarter 1990 and Spring Quarter 1991.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Promotions and Tenure**

**COLLEGE OF THE ARTS**

**PROMOTION TO ASSOCIATE PROFESSOR with TENURE**

Judith K. Delzell, Music

Approved - 10/1/90

**COLLEGE OF BIOLOGICAL SCIENCES**

**PROMOTION TO ASSOCIATE PROFESSOR with TENURE**

Michael A. Cunningham, Zoology, Lima Campus

Approved - 10/1/90

**COLLEGE OF BUSINESS**

**PROMOTION TO PROFESSOR**

Ray G. Stephens, Faculty of Accounting/MIS

Approved - 10/1/90

**PROMOTION TO ASSOCIATE PROFESSOR with TENURE**

David D. Williams, Faculty of Accounting/MIS

Approved - 10/1/90

**COLLEGE OF EDUCATION**

**PROMOTION TO ASSOCIATE PROFESSOR with TENURE**

Steven L. Miller, Educational Studies

Approved - 7/1/90

**TENURE**

Josue Cruz, Educational Theory and Practice

Approved - 1/1/92

**COLLEGE OF HUMAN ECOLOGY**

**PROMOTION TO ASSOCIATE PROFESSOR with TENURE**

Susan L. Zavotka, Family Resource Management

Approved - 10/1/90

**COLLEGE OF HUMANITIES**

**TENURE**

Donna R. Long, Spanish and Portuguese

Approved - 10/1/91

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Promotions and Tenure (contd)

**COLLEGE OF MEDICINE**

PROMOTION TO PROFESSOR

Michael B. Howie, Anesthesiology

Approved - 7/1/90

PROMOTION TO ASSOCIATE PROFESSOR

Joseph H. Goodman, Surgery

Approved - 7/1/90

PROMOTION TO ASSISTANT PROFESSOR

Mary Kathryn Waller, Allied Medical Professions

Approved - 10/1/90

Richard B. Davis, Allied Medical Professions

Approved - 7/1/90

**COLLEGE OF MEDICINE  
REGULAR CLINICAL FACULTY**

**REAPPOINTMENTS**

ASSOCIATE PROFESSOR

Daniel L. Coury, Pediatrics

Approved - 8/15/91

Neil J. Grossman, Pediatrics

Approved - 7/1/91

William L. Marsh, Pathology

Approved - 10/1/91

Promotion/Tenure--Correction

**COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES**

PROMOTION TO ASSOCIATE PROFESSOR with TENURE

Pamela J. Creedon, School of Journalism, and tenure date approved 10/1/91; corrected to 10/1/90

Emeritus Titles

JOHN G. BOUTSELIS, Department of Obstetrics and Gynecology, with the title Professor Emeritus, effective July 1, 1990.

TIEN Y. CHEN, Department of Civil Engineering, with the title Professor Emeritus, effective July 1, 1990.

ERNEST O. DOEBELIN, Department of Mechanical Engineering, with the title Professor Emeritus, effective July 1, 1990.



July 6, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

#### Emeritus Titles (contd)

HSIUNG HSU, Department of Electrical Engineering, with the title Professor Emeritus, effective July 1, 1990.

ANDREW W. MIGLETS, JR., Department of Otolaryngology, with the title Professor Emeritus, effective July 1, 1990.

ROBERT L. PERKINS, Department of Internal Medicine (Division of Infectious Diseases), with the title Professor Emeritus, effective July 1, 1990.

WILLIAM H. SAUNDERS, Department of Otolaryngology, with the title Professor Emeritus, effective July 1, 1990.

WILLIAM E. CLAUSEN, Department of Engineering Mechanics, with the title Associate Professor Emeritus, effective July 1, 1990.

GARETH E. GILBERT, Department of Plant Biology, with the title of Associate Professor Emeritus, effective July 1, 1990.

CLARA CREAGER, Department of Art, with the title Assistant Professor Emeritus, effective September 1, 1990.

PENELOPE GRIFFING, Department of Family Relations and Human Development, with the title Assistant Professor Emeritus, effective July 1, 1990.

ARLINE M. ROLLINS, University Libraries, with the title Assistant Professor Emeritus, effective July 1, 1990.

NATALIA B. MCAFEE, Department of Life Span Process, with the title Instructor Emeritus, effective July 1, 1990.

LUCY J. SCHNEITER, Department of Life Span Process, with the title Instructor Emeritus, effective July 1, 1990.

#### Authorization

Pursuant to appropriate state statutes the President and/or his designee is hereby authorized to purchase on behalf of Madison H. Scott prior public service credit, not to exceed a total of three years, as provided in Section 145 of the Ohio Revised Code in the Public Employees Retirement System of Ohio. The cost of such service shall be paid from unrestricted funds of the University as provided under Section 3345.16 of the Ohio Revised Code.

(See Appendix III for Letter to Purchase Prior Public Service Credit, page 143.)

#### Medical Staff--Appointments

WAHAN S. ASLANIAN, M.D., Department of Psychiatry, Attending Staff

JOHN J. DILLON, M.D., Division of Renal Diseases, Attending Staff

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Appointments (contd)**

**NEW APPOINTMENTS TO MEDICAL STAFF  
1990-91**

**DEPARTMENT OF ANESTHESIOLOGY**

BELL, Anthony W., M.D.  
Limited Staff, Department of Anesthesiology

BENSON, Gregory J., M.D.  
Limited Staff, Department of Anesthesiology

CAMPAGNI, Michael A., M.D.  
Limited Staff, Department of Anesthesiology

CONWAY, William F., M.D.  
Limited Staff, Department of Anesthesiology

CUSTER, Robert M., M.D.  
Limited Staff, Department of Anesthesiology

HADAWAY, Scott J., M.D.  
Limited Staff, Department of Anesthesiology

HIESTAND, Daniel C., M.D.  
Limited Staff, Department of Anesthesiology

JACOB, Robert S., M.D.  
Limited Staff, Department of Anesthesiology

KOVER, Alan J., M.D.  
Limited Staff, Department of Anesthesiology

PAPENFUSE, Michael D., D.O.  
Limited Staff, Department of Anesthesiology

PARICIO, Todd S., M.D.  
Limited Staff, Department of Anesthesiology

PASSAFIUME, David M., M.D.  
Limited Staff, Department of Anesthesiology

PIPPIN, William D., M.D.  
Limited Staff, Department of Anesthesiology

REED, H. Paul, M.D.  
Limited Staff, Department of Anesthesiology

REMER, Steven L., M.D.  
Limited Staff, Department of Anesthesiology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Appointments (contd)**

**DEPARTMENT OF ANESTHESIOLOGY (contd)**

SAWYER, David M., M.D.  
Limited Staff, Department of Anesthesiology

SHIRAKI, Carolyn K., M.D.  
Limited Staff, Department of Anesthesiology

WHEELER, Brett A., M.D.  
Limited Staff, Department of Anesthesiology

WHITE, Elizabeth F., M.D.  
Limited Staff, Department of Anesthesiology

**DEPARTMENT OF EMERGENCY MEDICINE**

BERNDT, Daniel, M.D.  
Limited Staff, Department of Emergency Medicine

CASAVANT, Marcel J., M.D.  
Limited Staff, Department of Emergency Medicine

CLINTON, Carol L., M.D.  
Limited Staff, Department of Emergency Medicine

GAVIN, Thomas J., M.D.  
Limited Staff, Department of Emergency Medicine

HUBBARD, Margaret M., M.D.  
Limited Staff, Department of Emergency Medicine

MULLER, Roger A., M.D.  
Limited Staff, Department of Emergency Medicine

ROBITAILLE, Patricia A., M.D.  
Limited Staff, Department of Emergency Medicine

SCHROEDER, Blake F., M.D.  
Limited Staff, Department of Emergency Medicine

STEIN, Rina A., D.O.  
Limited Staff, Department of Emergency Medicine

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Appointments (contd)**

**DEPARTMENT OF FAMILY MEDICINE**

BEKELE, Tamara S., M.D.  
Limited Staff, Department of Family Medicine

COFFMAN, Judy P., D.O.  
Limited Staff, Department of Family Medicine

MCANALLEN, Curtis M., M.D.  
Limited Staff, Department of Family Medicine

MCNAMARA, Bonnie L., M.D.  
Limited Staff, Department of Family Medicine

RAMOS-RIVERA, Diego, M.D.  
Limited Staff, Department of Family Medicine

SHORE, Philip S., M.D.  
Limited Staff, Department of Family Medicine

SMITH, Scott E., D.O.  
Limited Staff, Department of Family Medicine

WHITEHEAD, Robert D., M.D.  
Limited Staff, Department of Family Medicine

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Cardiology**

HUNNICUTT, Melinda W., M.D.  
Limited Staff, Division of Cardiology

JAFFE, Brian D., M.D.  
Limited Staff, Division of Cardiology

PETNO, Vincent, M.D.  
Courtesy Staff, Division of Cardiology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Dermatology**

OSBERG, Lisa A., M.D.  
Limited Staff, Division of Dermatology

SPENCER, David M., M.D.  
Limited Staff, Division of Dermatology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Gastroenterology**

PFEIL, Sheryl A., M.D.  
Attending Staff, Division of Gastroenterology

STURGIS, Thomas M., M.D.  
Limited Staff, Division of Gastroenterology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of General Medicine**

ALTENBERGER, Elizabeth A., M.D.  
Limited Staff, Division of General Medicine

AYERS, Lorri A., M.D.  
Limited Staff, Division of General Medicine

DJURIC, Vladimir, M.D.  
Limited Staff, Division of General Medicine

DONELAN, Brian J., M.D.  
Limited Staff, Division of General Medicine

FORD, Gwendolyn F., M.D.  
Limited Staff, Division of General Medicine

FRANKOWSKI, Amy A., M.D.  
Limited Staff, Division of General Medicine

FUGATE, Lisa P., M.D.  
Limited Staff, Division of General Medicine

HALL, Richard A., M.D.  
Limited Staff, Division of General Medicine

HARTKE, Raymond L., M.D.  
Limited Staff, Division of General Medicine

HOUSER, William A., M.D.  
Limited Staff, Division of General Medicine

JUNG, Stephen S., M.D.  
Limited Staff, Division of General Medicine

KEPLINGER, Lynn E., M.D.  
Limited Staff, Division of General Medicine

MALIK, Arvind M., M.D.  
Limited Staff, Division of General Medicine

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of General Medicine (contd)**

MCGINNIS, Jeffrey B., M.D.  
Limited Staff, Division of General Medicine

MEADE, Theresa A., M.D.  
Limited Staff, Division of General Medicine

MELECA, Michael J., M.D.  
Limited Staff, Division of General Medicine

MUELLER, Penny S., M.D.  
Limited Staff, Division of General Medicine

NICOLOZAKES, Alexandros W., M.D.  
Limited Staff, Division of General Medicine

O'GRADY, Naomi P., M.D.  
Limited Staff, Division of General Medicine

RALSTON, David R., M.D.  
Limited Staff, Division of General Medicine

RHOADES, Chris A., M.D.  
Limited Staff, Division of General Medicine

SCHULSKI, Linda A., M.D.  
Limited Staff, Division of General Medicine

SIEGEL, Randall S., M.D.  
Limited Staff, Division of General Medicine

SIVIK, Mary T., M.D.  
Limited Staff, Division of General Medicine

SPECH, Robert W., M.D.  
Limited Staff, Division of General Medicine

WHITED, John D., M.D.  
Limited Staff, Division of General Medicine

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Hematology/Oncology**

UNGERLEIDER, James S., M.D.  
Attending Staff, Division of Hematology/Oncology

July 6, 1990 meeting, Board of Trustees

## **PERSONNEL ACTIONS (contd)**

### **Medical Staff--Appointments (contd)**

#### **DEPARTMENT OF INTERNAL MEDICINE -- Division of Infectious Diseases**

IKERD, Tracey R., M.D.  
Limited Staff, Division of Infectious Diseases

#### **DEPARTMENT OF INTERNAL MEDICINE -- Division of Renal Diseases**

ROVIN, Brad H., M.D.  
Attending Staff, Division of Renal Diseases

#### **DEPARTMENT OF NEUROLOGY**

NEWTON, Herbert B., M.D.  
Attending Staff, Department of Neurology

BLANKENSHIP, Larry L., M.D.  
Limited Staff, Department of Neurology

MAKLEY, Michael J., M.D.  
Limited Staff, Department of Neurology

PHILBROOK, Bryan L., M.D.  
Limited Staff, Department of Neurology

#### **DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**

BOYLE, Jeffrey G., M.D.  
Limited Staff, Department of Obstetrics and Gynecology

DISS, Eleanor M., M.D.  
Limited Staff - Department of Obstetrics and Gynecology

KENNARD, Elizabeth, M.D.  
Limited Staff, Department of Obstetrics and Gynecology

KENNEDY, Maureen E., M.D.  
Limited Staff, Department of Obstetrics and Gynecology

PORTMAN, David J., M.D.  
Limited Staff, Department of Obstetrics and Gynecology

SAVAGE, Beverley A., M.D.  
Limited Staff, Department of Obstetrics and Gynecology

TROUT, Wayne C., M.D.  
Limited Staff, Department of Obstetrics and Gynecology

July 6, 1990 meeting, Board of Trustees

## **PERSONNEL ACTIONS (contd)**

### **Medical Staff--Appointments (contd)**

#### **DEPARTMENT OF OPHTHALMOLOGY**

LEHMANN, David M., M.D.  
Attending Staff, Department of Ophthalmology

ANTALIS, John J., M.D.  
Limited Staff, Department of Ophthalmology

BLOOM, Robert T., M.D.  
Limited Staff, Department of Ophthalmology

DOCTOR, Leslie C., M.D.  
Limited Staff, Department of Ophthalmology

EPITROPOULOS, Alice T., M.D.  
Limited Staff, Department of Ophthalmology

GERSMAN, Mark A., M.D.  
Limited Staff, Department of Ophthalmology

SCALES, David K., M.D.  
Limited Staff, Department of Ophthalmology

#### **DEPARTMENT OF OTOLARYNGOLOGY**

DEL ROSSO, James Q., D.O.  
Limited Staff, Department of Otolaryngology

HAMLAR, David D., Jr., D.D.S., M.D.  
Limited Staff, Department of Otolaryngology

SINARD, Robert J., M.D.  
Limited Staff, Department of Otolaryngology

#### **DEPARTMENT OF PATHOLOGY**

BACH, Joseph T., M.D.  
Limited Staff, Department of Pathology

COOK-GLENN, Celeste L., M.D.  
Limited Staff, Department of Pathology

EDWARDS, Diane, M.D.  
Limited Staff, Department of Pathology



July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Appointments (contd)**

**DEPARTMENT OF PEDIATRICS**

BAILES, James R., Jr., M.D.  
Limited Staff, Department of Pediatrics

BUDIN, Lee E., M.D.  
Limited Staff, Department of Pediatrics

CURNOW, Scott W., M.D.  
Limited Staff, Department of Pediatrics

DRISCOLL, Timothy A., M.D.  
Limited Staff, Department of Pediatrics

EATON, Ann E., M.D.  
Limited Staff, Department of Pediatrics

HARRIS, Karen L., M.D.  
Limited Staff, Department of Pediatrics

HUDSON, Mary P., M.D.  
Limited Staff, Department of Pediatrics

KELCH, Lisa A., M.D.  
Limited Staff, Department of Pediatrics

KONDOLIOS, Pete E., M.D.  
Limited Staff, Department of Pediatrics

LENHARD, Julie M., M.D.  
Limited Staff, Department of Pediatrics

LIPSCOMB, Diane C., M.D.  
Limited Staff, Department of Pediatrics

MCGOVERN, James J., M.D.  
Limited Staff, Department of Pediatrics

MEHTA, Hemalini, M.D.  
Limited Staff, Department of Pediatrics

PASTOREK, John S., M.D.  
Limited Staff, Department of Pediatrics

PERRY, Michael A., M.D.  
Limited Staff, Department of Pediatrics

RAUB, Jeffrey B., M.D.  
Limited Staff, Department of Pediatrics

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Appointments (contd)**

**DEPARTMENT OF PEDIATRICS (contd)**

ROSEBERRY, Rosemary H., M.D.  
Limited Staff, Department of Pediatrics

RUBIN-REMER, Dana M., M.D.  
Limited Staff, Department of Pediatrics

RYU, Grace Y., M.D.  
Limited Staff, Department of Pediatrics

**DEPARTMENT OF PHYSICAL MEDICINE & REHABILITATION**

BARTKO, Albert K., M.D.  
Limited Staff, Department of Phys. Med. & Rehab.

HECK, Wendy, M.D.  
Limited Staff, Department of Phys. Med. & Rehab.

MCLAUGHLIN, Matthew M., M.D.  
Limited Staff, Department of Phys. Med. & Rehab.

SHAMIR, Dan, M.D.  
Limited Staff, Department of Phys. Med. & Rehab.

**DEPARTMENT OF PREVENTIVE MEDICINE**

ALEX, Sajiv, M.D.  
Limited Staff, Department of Preventive Medicine

**DEPARTMENT OF PSYCHIATRY**

BOUTROS, Mounir, M.D.  
Limited Staff, Department of Psychiatry

ESKANDER, Nagwa I.S., M.D.  
Limited Staff, Department of Psychiatry

GLENN, Clyde E., M.D.  
Limited Staff, Department of Psychiatry

ROSIEK, Betsy K., M.D.  
Limited Staff, Department of Psychiatry

SHEHATA, Mahmoud E., M.D.  
Limited Staff, Department of Psychiatry

WOLFE, Kirk D., M.D.  
Limited Staff, Department of Psychiatry

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

**DEPARTMENT OF RADIOLOGY**

BIBLER, William B., M.D.  
Limited Staff, Department of Radiology

CHING, Henry T., M.D.  
Limited Staff, Department of Radiology

DEFILIPPO, John L., M.D.  
Limited Staff, Department of Radiology

RIDGEWAY, Joseph A., M.D.  
Limited Staff, Department of Radiology

SLONE, Hasel W., M.D.  
Limited Staff, Department of Radiology

**DEPARTMENT OF SURGERY -- Division of General Surgery**

ARNOLD, Mark W., M.D.  
Attending Staff, Division of General Surgery

AUGE, Wayne K., II, M.D.  
Limited Staff, Division of General Surgery

COLLINS, Kathryn A., M.D.  
Limited Staff, Division of General Surgery

DRAGO, Stefano P., M.D.  
Limited Staff, Division of General Surgery

GOLDFARB, Steven J., M.D.  
Limited Staff, Division of General Surgery

GORDILLO, Gayle M., M.D.  
Limited Staff, Division of General Surgery

JENKINS, Timothy J., M.D.  
Limited Staff, Division of General Surgery

KAMALESON, Sunderraj M., M.D.  
Limited Staff, Division of General Surgery

MACFARLANE, Deborah F., M.D.  
Limited Staff, Division of General Surgery

MUBARAK, Kamal, M.D.  
Limited Staff, Division of General Surgery

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Appointments (contd)**

**DEPARTMENT OF SURGERY -- Division of General Surgery (contd)**

PELLER, Paul A., M.D.

Limited Staff, Division of General Surgery

REDDING, Mark P., M.D.

Limited Staff, Division of General Surgery

ROHLF, David P., M.D.

Limited Staff, Division of General Surgery

ROHRSCHEIB, Sidney P., M.D.

Limited Staff, Division of General Surgery

SKOSKIEWICZ, Marek J., M.D.

Limited Staff, Division of General Surgery

VAN STEYN, Scott J., M.D.

Limited Staff, Division of General Surgery

**DEPARTMENT OF SURGERY -- Division of Neurosurgery**

PATEL, Anant I., M.D.

Limited Staff, Division of Neurosurgery

**DEPARTMENT OF SURGERY -- Division of Plastic Surgery**

GRONKA, Edward S., M.D.

Limited Staff, Division of Plastic Surgery

TREECE, Timothy A., M.D.

Limited Staff, Division of Plastic Surgery

**DEPARTMENT OF SURGERY -- Division of Surgical Oncology**

HURD, Thelma C., M.D.

Limited Staff, Division of Surgical Oncology

**DEPARTMENT OF SURGERY -- Division of Thoracic & Cardiovascular Surgery**

ALONSO, Anselmo, M.D.

Limited Staff, Division of Thoracic & Cardiovascular Surgery

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (contd)

**DEPARTMENT OF SURGERY -- Division of Transplant Surgery**

BARONE, Gary W., M.D.  
Limited Staff, Division of Transplant Surgery

**DEPARTMENT OF SURGERY -- Division of Vascular Surgery**

LUKENS, Matthew L., M.D.  
Limited Staff, Division of Vascular Surgery

**COLLEGE OF DENTISTRY -- Division of General Dentistry**

ALLEN, Heather C., D.D.S.  
Limited Staff, Division of General Dentistry

CAMPBELL, Scott A., D.D.S.  
Limited Staff, Division of General Dentistry

CIAGLIA, Domenica G., D.D.S.  
Limited Staff, Division of General Dentistry

DIANISKA, Heidi L., D.D.S.  
Limited Staff, Division of General Dentistry

MATISKO, Lisa M., D.M.D.  
Limited Staff, Division of General Dentistry

MOATS, Timothy E., D.D.S.  
Limited Staff, Division of General Dentistry

SUM, Hoi Yuen (Patrick), D.D.S.  
Limited Staff, Division of General Dentistry

WALKER, Michael J., D.M.D.  
Limited Staff, Division of General Dentistry

XANTHINAKI, Arsinoi, D.D.S.  
Limited Staff, Division of General Dentistry

**COLLEGE OF DENTISTRY -- Division of Oral and Maxillofacial Surgery**

HERPY, Allen K., D.D.S.  
Limited Staff, Division of Oral & Maxillofacial Surgery

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**REAPPOINTMENTS MEDICAL STAFF  
1990-91**

**DEPARTMENT OF ANESTHESIOLOGY**

**ATTENDING**

**COURTESY**

Block, Frank E., Jr.	Andrews, Madeleine J.
Brooks, Juliana H.J.	Lopez, Luis A.
Dahl, Mark R.	
Fuhrman, Thomas M.	
Goldman, Ernesto	
Gupta, Bhagwandas	
Howie, Michael B.	
Jacoby, Jay	
Kolattukudy, Marie M.	
Reilley, Thomas E.	
Romanelli, Vincent A.	
Speas, Gaylynn J.	
Swan, Joseph F.	
Wallace, William R.*	
Weaver, Joel M.*	
Yablok, David O.	

**LIMITED**

Balch, Daniel R.  
Basile, Alfonso J.  
Campbell-Stahl, Deborah A.  
Dugger, Karen K.  
Falkenhain, Sandra K.  
Farina, Ralph A.  
Fetko, Mark  
Guertin, Michael G.  
Kelly, William B.  
Kim, Young H.  
Long, Joseph M.  
Mandalino, Dominic A.  
Okamura, Richard K.  
Park, Janice L.  
Perdzock, David A.  
Peterson, Suzanne F.  
Plurad, Maria Nini  
Rague, Louis M., III  
Runyan, Thomas E.  
Schantz, Roger M.  
Smith, Townsend, III  
Steinhauser, Raymond P.  
Swofford, John B.  
Waller, Daniel M.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

**DEPARTMENT OF EMERGENCY MEDICINE**

**ATTENDING**

Rund, Douglas A., Chairman  
Brooks, Jonathan B.  
Brown, Charles G.  
Bullock, Thomas R.  
Griffith, Robert F.  
Hoekstra, James W.  
Nelson, Richard N.  
Roberts, David E.  
Santiago, Robert  
Van Ligten, Peter F.  
Werman, Howard A.

**LIMITED**

Bhat, Prashanth  
Bowman, Kevin K.  
Darnell, Mark T.  
Davies, David E.  
Dick, Michael R.  
Dreyer, Jeffrey R.  
Heck, Robert W.  
Lewis, David K., II  
Little, Charles M.  
Luu, Tuan A.  
Smith, Keith R.  
Swart, Gary L.

**DEPARTMENT OF FAMILY MEDICINE**

**ATTENDING**

**COURTESY**

Fahey, Patrick J., Chairman	
Demas, Christopher L.	Adrian, William R.
Griggs, Roland C.	Bohlen, John G.
Guthrie, Robert M.	Coulter, James M.
Martin, Ralph A.	Gahman, James W.
Montalto, Norman J.	Geron, Michael E.
Ricer, Rick E.	Hedges, Charles R.
Sickles, Robert T.	Herwig, Theodor F.
Stone, Linda C.	Lubbers, Judith R.
Williams, P. Tennyson	Lutes, Richard A.
	Mezger, Ronald A.
	Thomas, Melvin W.
	Tweel, Charles T.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF FAMILY MEDICINE (contd)**

**LIMITED**

Bayne, Bonnie J.  
Beggin, Bryan E.  
Cook, Joshua C.  
Samlowski, Ralph C.  
Timson, Katrina M.  
Torres, Alex E.

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Allergy**

**ATTENDING**

**COURTESY**

McNeil, Donald L., Director	Bagenstose, Abner H., III Bronstein, Herbert A. Coleman, Thomas H. Cunningham, Charles A. Hughes, William F. Wetterauer, Damon E.
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**DEPARTMENT OF INTERNAL MEDICINE -- Division of Bone Marrow Transplantation**

**ATTENDING**

Tutschka, Peter J., Director  
Avalos, Belinda R.  
Copelan, Edward A.  
Cunningham, Isabel

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Cardiology**

**HONORARY**

Ryan, Joseph M.

**COURTESY**

**ATTENDING**

Leier, Carl V., Director	Auseon, John C. Barker, Raymond E. Davakis, Nicholas J. Dixon, Evan W. Fisher, John A. Klaus, Andrew P. Lach, Ralph D. Nichols, Allan J.
Bacon, James P. Binkley, Philip F. Boudoulas, Harisios Bush, Charles A. Caldwell, Patricia B.	



July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF INTERNAL MEDICINE -- Division of Cardiology (contd)

**ATTENDING (contd)      COURTESY (contd)**

Cody, Robert J.	Polinski, William J.
Fontana, Mary E.	Rose, Stewart M.
Haas, Garrie J.	Ruff, Paul D.
Hirsch, Steven C.	Terry, Richard F.
Kolibash, Albert J., Jr.	
Lewis, Richard P.	
Love, Charles J.	
Magorien, Raymond D.	
Nelson, Steven D.	
Pearson, Anthony C.	
Robinson, John L.	
Ryan, James M.	
Schaal, Stephen F.	
Van Fossen, Douglas B.	
Wooley, Charles F.	

**LIMITED**

Ansel, Gary M.  
Burroughs, Jefferson M.  
Gbur, Charles J., Jr.  
Good, Arnold P.  
Pasierski, Tomasz J.  
Rome, Michael P.  
Smiley, Nasser H.

DEPARTMENT OF INTERNAL MEDICINE -- Division of Community Internal Medicine

**ATTENDING**

Seidensticker, John F., Director

Bennett, Joseph C.  
Grecula, Michaleen A.  
Lutmer, William J.

DEPARTMENT OF INTERNAL MEDICINE -- Division of Dermatology

**HONORARY**

Carr, Richard D.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Dermatology (contd)**

ATTENDING	COURTESY
Wilkin, Jonathan K., Director	Barrett, James L.
Davis, Loretta S.	Bechtel, Mark A.
Wolverton, Stephen E.	Gardner, Edmond W.
	Hamilton, James F.
LIMITED	Knox, David W.
	Long, Roland E.
DeMaria, Jess J.	Parks, Alan J.
Flint, Ivan D.	Rau, Robert C.
Sydor, Lynn C.	Scarborough, Dwight A.
Zyniewicz, Kelley J.	Verona, Robert D.
	Williams, Homer E.
	Yoder, Frank W.

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Endocrinology and Metabolism**

ATTENDING	COURTESY
O'Dorisio, Thomas M., Director	
Cataland, Samuel	Bixel, Janet K.
Falko, James M.	Goldberg, Robert F.
Jackson, Rebecca D.	Katz, Charles M.
Malarkey, William B.	Krupko, John B.
Mazzaferri, Ernest L.	
Osei, Kwame	
Rao, M. Bhaskar	
Tzagourmis, Manuel	

**LIMITED**

Caruso, Daniel R.  
Cottrell, Daryl A.  
Olmos, Pablo R.

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Gastroenterology**

**HONORARY**

Beman, Floyd M.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF INTERNAL MEDICINE -- Division of Gastroenterology (contd)

**ATTENDING**

**COURTESY**

Thomas, Fred B., Director

Levin, Douglas M.

Caldwell, James H.  
Fromkes, John J.  
Kirkpatrick, Robert B.  
Mekhjian, Hagop S.

**LIMITED**

Miller, Scott M.  
Thomas, David B.

DEPARTMENT OF INTERNAL MEDICINE -- Division of General Medicine

**ATTENDING**

**COURTESY**

Bowen, Juan M., Director

Bansal, Girraj K.  
Davies, A. Robert  
Delaveris, Steven L.  
Dixon, Gerald F.  
Edgin, Richard A.  
Guy, Jerry T.  
Keith, Paul F.  
Lichtblau, Steven H.  
Lutz, Warner B.  
Marks, Jack  
Murphy, Link R.  
Shepard, Kirk V.  
Tallo, Diane

Binkley, William F.  
Birskovich, Lorraine M.  
Folk, Robert L.  
Friedman, Barry M.  
Heintz, John S.  
Kreger, Cynthia G.  
Kunin, Calvin M.  
Libertin, Andrew G.+  
  
Pintz, Evelyn E.  
Swindells, Susan  
Walzak, Doris E.  
Washington, Sharon E.

**LIMITED**

Ahuja, Anita  
Andersen, Katherine A.  
Atkinson, Lisa A.  
Bou-Khalil, Pierre K.  
Curren, Camilla  
Gbur, Carolyn S.  
Hagaman, Martha H.  
Hajinazarian, Melkon O.  
Harris, Randall J.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF INTERNAL MEDICINE -- Division of General Medicine (contd)

LIMITED (contd)

Hernandez, Raul A., Jr.  
Moodispaw, Paul F.  
Nicolacakis, Kathryn  
Pope-Harman, Amy L.  
Pue, Charles A.  
Randolph, Teigha J.  
Rossana, CindyLou F.  
Samoil, Daniela  
Schuster, Andreas W.  
Sedmak, Primrose A.  
Shade, William A.  
Sinnathamby, Sukirtharan  
Sobecki, Lurette M.  
Stechschulte, Elizabeth H.  
Stevens, Harold C.  
Wilmer, William A.

DEPARTMENT OF INTERNAL MEDICINE -- Division of Hematology and Oncology

ATTENDING

COURTESY

Balcerzak, Stanley P., Director	
Behrens, Brent C.	Gams, Richard A.
Bouroncle, Bertha A.	
Kraut, Eric H.	
Metz, Earl N.	
Rinehart, John J.	
Sagone, Arthur L., Jr.	
Triozi, Pierre L.	

LIMITED

Ghany, Ahmed M.  
Nicol, Steven J.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Infectious Diseases**

ATTENDING	COURTESY
Fass, Robert J., Director	Baird, Ian M.
Fox, Barry C.	Ruiz, Daniel E.
Koletar, Susan L.	Spagna, Vincent A.
Maher, William E.	
Merz, David C.	
Para, Michael F.	
Plouffe, Joseph F.	

**LIMITED**

Herchline, Thomas E.  
Kobe, Margaret F.  
Zraik, Talal R.

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Pulmonary Diseases**

ATTENDING	COURTESY
Davis, William B.	Inglis, William D.
Dorinsky, Paul M.	O'Brien, Richard E.
Kindt, Gary C.	
Pacht, Eric R.	
Weiland, Jeffrey E.	
Wewers, Mark D.	

**LIMITED**

Allen, James N.  
Bunnell, Eugene  
Diaz, Philip T.  
Fagan, J. Barry  
Marsh, Clay B.  
Overdahl, Michael C.  
St. John, Roy C.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Renal Diseases**

**ATTENDING**

**COURTESY**

Hebert, Lee A., Director

Bay, William H.

Cosio, Fernando G.

Dillon, John J.

Middendorf, Donald F.

Nahman, Norris S., Jr.

Gerald, Steven E.

Lewis, James W.

Mishkind, Michael H.

Saunders, Christopher S. MacLaurin, John P.

**LIMITED**

Myers, Douglas P.

Ogrodowski, James L.

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Rheumatology/Immunology**

**ATTENDING**

**COURTESY**

Anderson, Clark L.

Hudson, Norman P.

Kantor, Seth M.

Hedrick, Sterling W.

Messick, Richard T.

**DEPARTMENT OF NEUROLOGY**

**ATTENDING**

**COURTESY**

Paulson, George W., Chairman

Drake, Miles E., Jr.

Freidenberg, Donald L.

Kissel, John T.

Mendell, Jerry R.

Pakalnis, Ann

Rammohan, Kottil W.

Sahenk, Zarife

Slivka, Andrew P.

Warmolts, John R.

DeMaria, Alfred A., Jr.

Friedman, Leslie A.

Parker, James M.

Wise, Gary R.

**LIMITED**

Dadmehr, Nahid

Hedges, Kathryn A.

Kotliarek, David F.

LaMancusa, Joseph C.

Myer, Elizabeth L.

Rocco, Christopher P.

Walz, Elizabeth T.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

**ATTENDING**

**COURTESY**

Gabbe, Steven G. Chairman

Bell, David C.

Blumenfeld, Michael L.

Boutselis, John G.

Bryan, Donald K.

Copeland, Christopher M.

Copeland, Larry J.

Copeland, William E., Jr.

Copeland, William E., Sr.

Cordero, Leandro\*

Dodds, William G.

Essig, Garth F.

Friedman, Chad I.

Goldberg, Jeffrey M.

Huneke, Allen L.

Iams, Jay D.

Kim, Moon H.

Kington, J. Kevin

Landon, Mark B.

Lewandowski, George S.

Mobin-Uddin, Saeeda

O'Shaughnessy, Richard W.

O'Toole, Robert V.\*

Reiss, Rosemary E.

Rigsby, William C.

Ruedrich, David A.

Schmidt, Grant E.

Smith, Nina K.

Teteris, Nicholas J.

Villalon, Roberto R.

Williams, Steven R.

Zartman, Edwin R.

Zuspan, Frederick P.

Abramovitz, Fred M.

Baird, James N., Jr.

Barrows, Holly J.

Beattie, James F.

Bell, Jeffrey G.

Blose, Ralph D.

Brandeberry, Keith R.

DeVoe, Keith, Jr.

DeVoe, Stephen J.

Eckhardt, Alfred J.

Enrile, Leopoldo L.

Hackett, Kevin J.

Harnish, Margaret S.

Hixson, Carolyn S.

Kelch, Harold E.

Lamprecht, Richard W.

Lomano, Jack M.

Merryman, William B.

McIlroy, Scott A.

Neri, Anthony S.

Newkirk, Ernest M.

Nyeste, Lawrence J.

O'Rourke, Donald E.

Perez, Antonio

Pettit, George P.

Reid, Gary C.

Richards, Stephen R.

Robinson, Raymond E.

Rogers, Philip A.

Russ, John S.

Sacolick, Alan R.

Samuel, Mervyn J.

Schweizer, F. W., III

Sprague, Michael S.

Stempel, Laurence E.

Strafford, J. Craig

Woodard, Wiley G.

Wurst, Ann M.

Zitter, Diana M.

Zuspan, Mark F.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF OBSTETRICS AND GYNECOLOGY (contd)**

**LIMITED**

Artman, Sarah L.  
Dearmont, Karen E.  
Eaton, Lynn A.  
Farringer, Bruce E.  
Fleming, Christopher M.  
Harrington, Beverly M.  
Hayes, Rosalind A.  
Pagano, Trina M.  
Paraskos, John P.  
Parker, Michael S.  
Scalzone, John M.  
Shamley, Kirk T.  
Shibley, Kirk A.  
Shubert, Phillip J.  
Teteris, John N.

**DEPARTMENT OF OPHTHALMOLOGY**

**ATTENDING**

Weber, Paul A., Chairman  
Baker, N. Douglas  
Benes, Susan  
Bennett, Robert  
Bremer, Don L.  
Brown, Dan L.  
Bruce, Robert A., Jr.  
Burns, John A.  
Cahill, Kenneth V.  
Chambers, Robert B.  
Craig, Elson L.  
Dangel, Matthew E.  
Davidoff, Frederick H.  
Dingle, J.B.  
Gerace, Ann  
Havener, William H.  
Hickey, Charles J.  
Huheey, Marilyn  
Kapetansky, Frederick  
Kelley, Curtin G.  
Kunesh, Michael T.  
Lembach, Richard G.  
Letson, Alan D.  
Lubow, Martin  
Mauger, Thomas F.

**COURTESY**

Beran, Robert F.  
Besson, Michael J.  
Carroll, C. Patrick  
Collins, Elmer C.  
Croc, Henry  
Davidoff, Elliot  
Denlinger, David E.  
Farber, Sanders M.  
Garvin, J. Charles  
Gupta, Mohinder K.  
Higbee, John W.  
Kitchen, Calvin B.  
Kosier, Marilyn K.  
Kuhr, Lora J.  
Lembach, Robert E.  
Lothes, Eric W.  
Marquardt, John L.  
McGowan, Kathleen A.  
McKinlay, Robert T.  
Minning, Carl A., Jr.  
Richards, Paul F.  
Rogers, Gary L.  
Sherman, Roger H.  
Van Fossen, Albert W.



July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF OPHTHALMOLOGY (contd)

ATTENDING (contd)

Moses, James L.  
O'Dair, Robert B.  
Opemcak, E. Mitchel  
Orlando, Richard G.  
Stechschulte, John R.  
Utrata, Peter J.  
Visocan, Phyllis  
Wachtel, Joel G.

LIMITED

Allen, J. Geoffrey  
Fishman, Deborah R.  
George, David S.  
McAdoo, Jeffrey F.  
Oehler, Jeffrey C.  
Pappa, Karl S.  
Quartetti, Eric J.  
Strickler, Scott H.  
Walker, Jonathan D.

DEPARTMENT OF OTOLARYNGOLOGY

ATTENDING

Schuller, David E., Chairman  
Kelly, David R.  
Saunders, William H.  
Siegler, Ronald J.

COURTESY

Birck, Herbert G.  
Booth, Jack B.  
Gebhart, Don E.  
Irene, Richard T.  
Jackson, Daniel G.  
Lowery, Howard W.  
Main, Thomas S.  
Mechenbier, James A.  
Ray, John W.  
Wagenbrenner, L.T.

LIMITED

Chase, Daniel W.  
Elzinga, Darryl J.  
Forrest, Lowell A.  
Griffith, Stephen R.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF OTOLARYNGOLOGY (contd)

LIMITED (contd)

Gross, William E.  
Pelczar, Brian T.  
Poulin, Mark D.  
Rossi, Renee M.  
Seitz, Curtis M.

DEPARTMENT OF PATHOLOGY

ATTENDING

COURTESY

Senhauser, Donald A., Chairman

Ayers, Leona W.  
Baker, Peter B.  
Barth, Rolf F.  
Blazina, Janice F.  
Brandt, John T.  
Clausen, Kathryn P.  
Green, Cheryl A.  
Hammond, Sue  
Kennedy, Melanie S.  
Liss, Leopold  
Lucas, Joel G.  
Neff, John C.  
O'Toole, Robert V.+  
Sedmak, Daniel D.  
Sharma, Hari M.  
Smith, Jack W., Jr.  
Speicher, Carl E.  
Svirbely, John R.  
Theil, Karl S.

Drake, Richard D.  
Qualman, Stephen J.  
Shah, Niranjana T.

LIMITED

Amra, Nasir K.  
Becker, William J.  
Forsthoefel, Kevin F.  
Green, Thomas D.  
Hillwig, Robert J.  
Isenhardt, Craig E.  
Maia-Cohen, Sandra T.  
Marmaduke, David P.  
Uhlenbrock, James M.  
Walker, Adonica L.

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

**DEPARTMENT OF PEDIATRICS**

**HONORARY**

Anderson, Homer A.  
Eaton, Antoinette P.

**ATTENDING**

Grant Morrow, III, Chairman  
Allen, Hugh D.  
Anglin, David L.  
Barson, William J.  
Boudinot, Wanda C.  
Brady, Michael T.  
Brown, Robert T.  
Cassidy, Steven C.  
Cecalupo, Anthony J.

Coury, Daniel L.  
Cromer, Barbara A.  
deLevie, Judith G.  
Donat, Jane F.  
Franklin, Wayne H.  
Grossman, Lindsey  
Grossman, Neil J.  
Handler, Eric G.  
Hansen, Nancy B.  
Haun, Steven E.  
Heitlinger, Leo A.  
Johnson, Charles F.  
Kien, Craig L.  
Li, B. Ulysses K.  
Libertin, Andrew G.\*  
Lo, Warren D.  
Mahan, John D.  
McClung, Hugo J.  
McCoy, Karen S.  
Menke, James A.  
Mentser, Mark I.  
Miller, Randy R.  
Mortenson, Mary E.  
Murray, Robert D.  
Olson, Thomas A.  
Powell, Dwight A.  
Rosenberg, Ellen M.  
Ruymann, Frederick B.

**COURTESY**

Baldwin, Robert M.  
Banks, Joseph H.  
Batterson, Robert E.  
Bauer, Stephen R.  
Bickers, Rex G.  
Brooks, Gregory I.  
Bullock, Joseph D.  
Clark, Arthur L.  
Connor, Patricia A.  
Crecelius, Jeffrey W.  
Dawdy, W. David  
Del Rosario, Antonio J.  
deVerteuil, Virginia K.  
DiCarlo, Salvatore  
Donaldson, Edward E.  
Donovan, Lorna F.  
Doody, Dennis M.  
Forsythe, Robert C.  
Foy, James E.  
Francis, Patricia A.  
Freno, Janet A.  
Friedman, Roger A.  
Goorey, Louis J.R.  
Heinmiller, Daniel J.  
Henderson, Dave E.  
Jones, Virginia H.  
Kebe, Stephen L.  
Keck, Robert J.  
Klinger, Robert J.  
Kuzma, Mary Kay  
Lindner, Steven E.  
Loar, Michael C.  
MacLean, William C.  
May, Albert N.  
McIlroy, Mary A.  
Mirvis, Bruce R.  
Mormol, John L.  
Park, Roger W.  
Petrella, Richard A.  
Polster, L. Robert

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

**DEPARTMENT OF PEDIATRICS (contd)**

**ATTENDING (contd)**

Skidmore, Margaret D.  
Sloan, Howard R.  
Sommer, Annemarie  
Sotos, Juan F.  
Teske, Douglas W.  
Tsao, Chang-Yong  
Walson, Philip D.  
Westman, Judith A.  
Zipf, William B.

**COURTESY (contd)**

Roach, Jane A.  
Robbins, Malcolm R.  
Rogers, Ann M.  
Rohyans, JoAnn C.  
Rothermel, Kim G.  
Rueger, Wi  
Schultz, Dana J.  
Sheets, Eileen H.  
Shepherd, Larry M.  
Shultz, John P.  
Stroebe, Frank W.  
Vasquez, E. Silvia B.  
Wadwa, Janak  
Wahoff, Charles G.  
Wehe, Robert A.  
Wheasler, Ray S.  
White, Jennifer L.  
Williams, Gwynette M.

**LIMITED**

Allen, Elizabeth D.  
Bolon, Claire E.  
Bolton, Eileen C.  
Bonneau, Amy J.  
Bowman, MaryJo A.  
Carpenter, Denise L.  
Crocetti, Guy D.  
Deutsch, David E.  
Dumont, Robert C.  
Eisenhut, Randy E.  
Enrione, Maria A.  
Fiala, Joseph F.  
Flint, Alan J.  
Garton, Patricia M.  
Getschman, Sarah J.  
Greco, Christine D.  
Hogan, Mary Beth  
Hord, Jeffrey D.  
Igel, Andrea M.  
Jenkins, Catherine L.  
Kasten, Eileen F.  
Kovalchin, John P.  
Larkner, Laura M.  
LeMay, Diane M.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

**DEPARTMENT OF PEDIATRICS (contd)**

LIMITED (contd)

Leslie, Andrew C.  
Long, William W.  
Menkus, Sharon D.  
Messick, George M.  
Mosher, Gayle A.  
Nahouraii, Robert A.  
Nankervis, Craig A.  
Nofzinger, Patricia A.  
Olshefski, Randal S.  
Patterson, Alonzo, III  
Perry, Jan E.  
Pippin, Cheryl D.  
Reiner, Rebecca L.  
Riley, Bradley J.  
Rosenberg, Robert B.  
Rue, Laura J.  
Segeleon, Joseph E.  
Shollenberger, Lee A.  
Smith, Dean A.  
Snyder, Catherine A.  
St. John, Jean M.  
Strand, Barbara J.  
Sullivan, Miller J., Jr  
Wilson, Kyle E.  
Zibert, Sara A.

**DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION**

ATTENDING

COURTESY

Kaplan, Paul E., Chairman

Bobulski, Rosalind J.	Bazzoli, Allan S.
Bowyer, Brian L.	Fallon, Timothy J.
Clairmont, Albert C.	Waylonis, George W.
Colachis, Sam C.	
Johnson, Ernest W.	
Matkovic, Velimir	
Mysiw, W. Jerry	
Pease, William S.	
Venesy, Deborah A.	

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION (contd)**

**LIMITED**

Atchison, James W.  
Clinchot, Daniel M.  
Doddy, Karyn R.  
Haddock, David G.  
Imfeld, Matthew D.  
Kaplansky, Bryan D.  
McDonough, Nancy K.  
Reecer, Mark V.  
Rindler, Julie P.  
Ronan, Patrick G.  
Tipton, David B.  
Wachendorf, Judith M.  
Wilson, Charleen

**DEPARTMENT OF PREVENTIVE MEDICINE**

**ATTENDING**

**COURTESY**

Hall, William L.  
Stanley, David E.

Charles, Doris I.

**DEPARTMENT OF PSYCHIATRY**

**ATTENDING**

**COURTESY**

Nasrallah, Henry A., Chairman  
Aslanian, Wahan S.  
Churchill, Cynthia M.  
Jones, Bruce A.  
Martin, Daniel J.  
Mavassakalian, Matig R.  
Olson, Stephen C.  
Pinta, Emil R.  
Schwarzkopf, Steven B.  
Shy, Kathy E.  
Stern, Stephen L.  
Weller, Ronald A.

**LIMITED**

Abou Haidar, Said N.  
Alford-McIntosh, Sara S.  
Axelson, David B.  
Balke, Len D.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

**DEPARTMENT OF PSYCHIATRY (contd)**

LIMITED (contd)

deGroot, Christopher M.  
DeMedico, Valerie J.  
Evans, Tina L.  
Gemma, Steven M.  
Guthrie, Julie A.  
Halle, Mark T.  
Hurst, Elizabeth C.  
Jolin, Edith M.  
Jurjus, George J.  
McCafferty, Mary J.  
McCoy, Lance M.  
Miller, Margaret M.  
Peters, Marilyn J.  
Reichenbacher, Thomas M.  
Szykowny, Lee S.  
Werner, Lisa M.

**DEPARTMENT OF PSYCHIATRY -- Division of Child Psychiatry**

HONORARY

Kontras, Stella B.

ATTENDING

Weller, Elizabeth B., Director  
Arnold, L. Eugene  
Bush, Gladys A.  
Larson, Chris N.  
Tolbert, Herman A.

LIMITED

Evans, Tina L.  
Fayyad, John A.  
Ohringer, Shari R.  
Peters, Marilyn J.  
Tumuluru, Rameshwari V.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF RADIOLOGY -- Division of Diagnostic Radiology**

**ATTENDING**

Christoforidis, A. John, Chairman  
Beltran, Javier  
Bennett, William F.  
Bova, James G.  
Brogan, Martha A.  
Chakeres, Donald W.  
Cunningham, Jerome J.  
Freedy, Lucy R.  
McGhee, Robert B.  
Mueller, Charles F.  
Ragosin, Robert J.  
Stockum, Alfred E.  
Van Aman, Michael E.

**LIMITED**

Boyle, Edward R.  
Campanini, D. Scott  
Dardani, Marcella  
Hackworth, Craig A.  
Hughes, Steven R.  
Jurdi, Raja A.  
King, Mark A.  
Magee, David J.  
McConnell, Charles T.  
Oehler, Mary C.  
Perna, Peter J.  
Poulos, Andrew G.  
Sodd, Anthony N.  
White, Daniel R.  
Yu, Joseph P.

**DEPARTMENT OF RADIOLOGY -- Division of Nuclear Medicine**

**ATTENDING**

Olson, John O.  
Pozderac, Rodney V.



July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF RADIOLOGY -- Division of Radiation Oncology**

**ATTENDING**

Gahbauer, Reinhard A., Director  
Hodgson, Sheila E.  
Nag, Subir  
Pieters, Richard S., Jr.

**LIMITED**

Bauer-Giffin, Constance J.  
Grecula, John C.  
Gupta, Shailesh  
Sweeney, Patrick J.

**DEPARTMENT OF SURGERY -- Division of General Surgery**

**ATTENDING**

Jonasson, Olga, Chairman  
Cloutier, Charles T.  
Ellison, E. Christopher  
Flancbaum, Louis J.  
Townsend, Michael C.

**COURTESY**

Carey, Larry C.  
Innes, Jeffrey T.  
Schwarzell, John R.  
Stewart, William R.C.  
Wanamaker, Steven R.

**LIMITED**

Brem, Harold  
Brinkman, John B.  
Bryan, Bradley A.  
Campbell, Kevin G.  
Cooke, Jeffrey C.  
Czemiecki, Brian J.  
Guse, Thomas R.  
Han, Linda K.  
Highberger, William A.  
Huang, Emina Hui-Na  
Kalanges, Lauri K.  
Kogan, Michael G.  
Leppink, Douglas M.  
Mutabagani, Khaled H.  
Offord, James P.  
Ohye, Richard G.  
Pelletier, Ronald P.  
Pollifrone, David L.  
Potter, Mark K.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF SURGERY -- Division of General Surgery (contd)**

**LIMITED (contd)**

Scharf, William R.  
Tober, James C.  
Ulrich, Jeffrey C.  
Vasko, Susan D.  
Vevon, Peter A.  
Wilson, Gary A.  
Young, James R.

**DEPARTMENT OF SURGERY -- Division of Neurosurgery**

**ATTENDING**

**COURTESY**

Barnes, James E.  
Rea, Gary L.  
Stechison, Michael T.

Miller, Carole A.

**LIMITED**

Behrmann, Donald L.  
Gilman, Arthur M.  
James, Steven M.  
Levitt, Jodie K.  
Livingston, Kimberly  
Mullin, Bradford B.  
Uselman, James H.  
Zerick, William R.

**DEPARTMENT OF SURGERY -- Division of Orthopaedic Surgery**

**ATTENDING**

**COURTESY**

Simon, Sheldon R., Director  
Bock, J. John  
Bolz, W. Scott  
Clark, Robert N.  
Coleman, Carl R.  
Mallory, Thomas H.  
Olix, Mel L.  
Ostrum, Robert F.  
Roberts, John B.  
Turner, Richard H.  
Weis, Lawrence D.  
Westphal, Reinhard A.  
Zuelzer, Wilhelm A.

Durbin, Robert A.  
Fuller, Roderick L.  
Jeffers, Phillip D.  
Lombardi, Adolph V., Jr.  
Kean, John R.  
Ruff, Michael E.  
Season, Edwin H.  
Slager, Richard F.  
Stewart, Richard C.  
Unverferth, Louis J.  
Vaughn, Bradley K.  
Wolfe, John S.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF SURGERY -- Division of Orthopaedic Surgery (contd)

LIMITED

Curtis, Steven B.  
DeMeo, Patrick J.  
Kerbs, James R.  
Lauro, Gregory R.  
Lefkowitz, Michael S.  
Lettvin, Charles L.  
Li, Lawrence Kuo-Chi  
Mirty, Harvey L.  
Nahra, Mitchell E.  
Pierotti, Stephen E.  
Samani, Daniel J.  
Warner, Stephen J.  
Watson, Larry W.  
Wittbrodt, David J.

DEPARTMENT OF SURGERY -- Division of Pediatric Surgery

ATTENDING

Boles, E. Thomas, Jr., Director  
Caniano, Donna A.  
King, Denis R.  
Teich, Steven

LIMITED

Upp, James R.

DEPARTMENT OF SURGERY -- Division of Plastic Surgery

HONORARY

Berggren, Ronald B.

ATTENDING

COURTESY

Ruberg, Robert L., Director

Buchele, Brentley A.	Aziz, Haroon A.
Burdge, Jeremy J.	Drabyn, Gerald A.
Duran, Robert J.	Houser, Robert G.
Ferraro, James W.	Mohler, Lester R.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**DEPARTMENT OF SURGERY -- Division of Plastic Surgery (contd)**

**COURTESY (contd)**

Naille, Ronald A.  
Terry, John L.

**LIMITED**

Back, Lyle M.  
Jolly, Cynthia S.

**DEPARTMENT OF SURGERY -- Division of Surgical Oncology**

**HONORARY**

James, Arthur G.

**ATTENDING**

**COURTESY**

Farrar, William B., Director	
Martin, Edward W., Jr.	Nims, Thomas A.
Minton, John P.	
Walker, Michael J.	

**DEPARTMENT OF SURGERY -- Division of Thoracic & Cardiovascular Surgery**

**ATTENDING**

Myerowitz, P. David, Director  
Chryssos, Antonios E.  
Galbraith, Timothy A.  
Howanitz, E. Paul  
Kakos, Gerard S.  
Murray, Kevin D.

**LIMITED**

Haan, Constance K.  
Matheny, Robert G.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (contd)

DEPARTMENT OF SURGERY -- Division of Transplantation

**ATTENDING**

Ferguson, Ronald M., Director  
Henry, Mitchell L.  
Tesi, Raymond J.

**LIMITED**

Elkhammas, Elmahdi A.

DEPARTMENT OF SURGERY -- Division of Urology

**ATTENDING**

**COURTESY**

Drago, Joseph R., Director	Joshi, Kamal K.
Badalament, Robert A.	
Koff, Stephen A.	
Nesbitt, John A., II	
Wise, Henry A., II	
Woodworth, Bruce E.	
York, Jeffrey P.	

**LIMITED**

Colombo, Giovanni  
Deighton, Daniel A.  
Gianakopoulos, William P.  
Page, Charles M.

DEPARTMENT OF SURGERY -- Division of Vascular Surgery

**ATTENDING**

**COURTESY**

Smead, William L., Director	
Durham, Joseph R.	Satiani, Bhagwan
Wright, James G.	Vaccaro, Patrick S.

**LIMITED**

Massop, Douglas W.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments (contd)**

**COLLEGE OF DENTISTRY -- Division of General Dentistry**

**ATTENDING**

**COURTESY**

Wallace, William R., Dean

Allen, Carl M.  
DaBreo, Ernest L.  
Jolly, Daniel E.  
Marquard, James V.  
Vessels, Robert C.  
Weaver, Joel M.+

Horton, John E.  
Neal, Clarence J., Jr.  
Schroeder, Kathleen L.  
Walters, John D.

**LIMITED**

Davis, John B.  
Fleser, Carl R.  
Morgan, Donald A.

**COLLEGE OF DENTISTRY -- Division of Oral and Maxillofacial Surgery**

**ATTENDING**

**COURTESY**

Peterson, Larry J. - Director  
Anderson, Douglas R.  
Evans, Thomas W.  
Feinberg, Stephen E.  
Larsen, Peter E.  
Lauer, Robert E.  
Montgomery, Robert D.  
Offenburger, Greg L.  
Page, H. Langley, Jr.  
Racey, Gary L.  
Troiano, Marlin F.

Carnes, Allen D.  
Cheek, John A.  
Fraser, Bruce A.  
Kaye, William R.  
Murphy, T. Michael  
Olejko, Terry D.  
Scheetz, Richard E., Jr.  
Wallace, Douglas W.

**LIMITED**

Amborski, James D.  
Anderson, Mark W.  
Baransky, Thomas M.  
Hum, Scott A.  
Liston, Todd C.  
Stronczek, Michael J.  
Urbanek, Richard A.  
Wohlford, Mark E.

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)

**DEPARTMENT OF ANESTHESIOLOGY**

ANDREWS, Madeleine Jean, M.D.  
Associate Attending Staff, Department of Anesthesiology

BLOCK, Frank E. Jr., M.D.  
Associate Attending Staff, Department of Anesthesiology

DAHL, Mark R., M.D.  
Attending Staff, Department of Anesthesiology

EWELL, Charles Lee, Jr., M.D.  
Associate Attending Staff, Department of Anesthesiology

FUHRMAN, Thomas, M.D.  
Associate Attending Staff, Department of Anesthesiology

JACOBY, Jay, M.D.  
Associate Attending Staff, Department of Anesthesiology

GOLDMAN, Ernesto, M.D.  
Associate Attending Staff, Department of Anesthesiology

GUPTA, Bhagwandas, M.D.  
Associate Attending Staff, Department of Anesthesiology

HALIM-ARMANIOS, Mona Youssef, M.D.  
Associate Attending Staff, Department of Anesthesiology

LINGAM, Rao P., M.D.  
Associate Attending Staff, Department of Anesthesiology

KOLATTUKUDY, Marie M., M.D.  
Associate Attending Staff, Department of Anesthesiology

LOPEZ, IUIS A., M.D.  
Associate Attending Staff, Department of Anesthesiology

McDONALD, John S., M.D.  
Associate Attending Staff, Department of Anesthesiology

REILLEY, Thomas E., D.O.  
Associate Attending Staff, Department of Anesthesiology

ROMANELLI, Vincent A., M.D.  
Associate Attending Staff, Department of Anesthesiology

SPEAS, Gaylynn, M.D.  
Associate Attending Staff, Department of Anesthesiology

July 6, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

#### **DEPARTMENT OF ANESTHESIOLOGY** (contd)

SWAN, Joseph F., M.D.  
Associate Attending Staff, Department of Anesthesiology

TAYLOR, Deborah Anne, Ph.D.  
Associate Attending Staff, Department of Anesthesiology

WEAVER, Joel M., D.D.S.  
Associate Attending Staff, Department of Anesthesiology

YABLOCK, David Owen, M.D.  
Associate Attending Staff, Department of Anesthesiology

#### **DEPARTMENT OF DENTISTRY**

DABREO, Ernest L., D.D.S.  
Associate Attending Staff, Department of Dentistry

JOLLY, Daniel E., D.D.S.  
Associate Attending Staff, Dept. of Dentistry/General Dentistry

LARSEN, Peter Eric, D.D.S.  
Associate Attending, Department of Dentistry/Oral & Maxillofacial Surgery

PETERSON, Larry James, D.D.S.  
Associate Attending Staff, Dept. of Dentistry/Oral & Maxillofacial Surgery

TROIANO, Marlin F., D.D.S.  
Associate Attending Staff, Dept. of Dentistry/Oral Maxillofacial Surgery

VESSELS, Robert C., D.D.S.  
Associate Attending, Department of Dentistry

#### **DEPARTMENT OF FAMILY MEDICINE**

DEMAS, Christopher Lou, M.D.  
Associate Attending Staff, Dept. of Family Medicine

GUTHRIE, Robert M., M.D.  
Associate Attending Staff, Dept. of Family Medicine

FAHEY, Patrick Joseph, M.D.  
Associate Attending Staff, Department of Family Medicine

MARTIN, Ralph A., M.D.  
Associate Attending Staff, Dept. of Family Medicine



July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF FAMILY MEDICINE (contd)**

MONTALTO, Norman J., D.O.  
Associate Attending Staff, Dept. of Family Medicine

RICER, Rick Edwin, M.D.  
Associate Attending Staff, Dept. of Family Medicine

SICKLES, Robert Trent, M.D.  
Associate Attending, Department of Family Medicine

WILLIAMS, P. Tennyson, M.D.  
Associate Attending Staff, Dept. of Family Medicine

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Bone Marrow Transplantation**

AVALOS, Belinda Rene, M.D.  
Attending Staff, Division of Bone Marrow Transplantation

COPELAN, Edward Alan, M.D.  
Attending Staff, Division of Bone Marrow Transplantation

CUNNINGHAM, Isabel, M.D.  
Attending Staff, Division of Bone Marrow Transplantation

KAPOOR, Neena, M.D.  
Attending Staff, Division of Bone Marrow Transplantation

TUTSCHKA, Peter Josef, M.D.  
Attending Staff, Division of Bone Marrow Transplantation

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Cardiology**

BOUDOULAS, Harisios, M.D.  
Associate Attending Staff, Division of Cardiology

BUSH, Charles A., M.D.  
Associate Attending Staff, Division of Cardiology

FONTANA, Mary Elizabeth, M.D.  
Associate Attending Staff, Division of Cardiology

KOLIBASH, Albert, M.D.  
Associate Attending Staff, Division of Cardiology

LEWIS, Richard Phelps, M.D.  
Associate Attending Staff, Division of Cardiology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Cardiology** (contd)

LOVE, Charles, J., M.D.  
Associate Attending Staff, Division of Cardiology

NELSON, Steven D., M.D.  
Associate Attending Staff, Division of Cardiology

SCHAAL, Stephen Frederick, M.D.  
Associate Attending Staff, Division of Cardiology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Dermatology**

BARRETT, James Lloyd, M.D.  
Clinical Attending Staff, Division of Dermatology

WILKIN, Jonathan K., M.D.  
Associate Attending Staff, Division of Dermatology

DAVIS, Loretta Smrtnik, M.D.  
Associate Attending Staff, Division of Dermatology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Endocrinology**

FALKO, James M., M.D.  
Associate Attending Staff, Division of Endocrinology

GEORGE, Jack M., M.D.  
Associate Attending Staff, Division of Endocrinology

MALARKEY, William Blair, M.D.  
Associate Attending Staff, Division of Endocrinology

O'DORISIO, Thomas Michael, M.D.  
Associate Attending Staff, Division of Endocrinology

OSEI, Kwame, M.D.  
Associate Attending Staff, Division of Endocrinology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Gastroenterology**

KIRKPATRICK, Robert Bruce, M.D.  
Associate Attending, Division of Gastroenterology

MEKHJIAN, Hagop S., M.D.  
Associate Attending Staff, Division of Gastroenterology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Gastroenterology (contd)**

THOMAS, Fred B., M.D.  
Associate Attending Staff, Division of Gastroenterology

**DEPARTMENT OF INTERNAL MEDICINE**

ANDERSON, Clark Lawrence, M.D.  
Associate Attending Staff, Division of Immunology

BIRSKOVICH, Lorraine M., M.D.  
Associate Attending Staff, Department of Internal Medicine

FRIEDMAN, Barry Marvin, M.D.  
Associate Attending Staff, Department of Internal Medicine

GAEUMAN, John Victor, M.D.  
Associate Attending Staff, Department of Internal Medicine

HEINTZ, John S., M.D.  
Associate Attending Staff, Department of Internal Medicine

KREGER, Cynthia G., M.D.  
Associate Attending Staff, Dept. of Internal Medicine/General

LIBERTIN, Andrew George, M.D.  
Associate Attending Staff, Department of Internal Medicine

MAZZAFERRI, Ernest L., M.D.  
Associate Attending Staff, Department of Internal Medicine

ROBINSON, John Lee, M.D.  
Associate Attending Staff, Department of Internal Medicine

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Hematology/Oncology**

BALCERZAK, Stanley Paul, M.D.  
Attending Staff, Division of Hematology & Oncology

BEHRENS, Brent Conrad, M.D.  
Attending Staff, Division of Hematology & Oncology

GUY, Jerry Thomas, M.D.  
Clinical Attending Staff, Division of Hematology & Oncology

KRAUT, Eric Harvey, M.D.  
Attending Staff, Division of Hematology/Oncology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Hematology/Oncology (contd)**

METZ, Earl Nelson, M.D.  
Attending Staff, Division of Hematology/Oncology

SAGONE, Arthur Lawrence, M.D.  
Attending Staff, Division of Hematology/Oncology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Infectious Diseases**

FASS, Robert J., M.D.  
Associate Attending Staff, Division of Infectious Diseases

KOLETAR, Susan L., M.D.  
Associate Attending Staff, Division of Infectious Diseases

KUNIN, Calvin Murray, M.D.  
Associate Attending Staff, Division of Infectious Diseases

MAHER, William Edward, M.D.  
Associate Attending Staff, Division of Infectious Diseases

MERZ, David Charles, M.D.  
Associate Attending Staff, Division of Infectious Diseases

PARA, Michael Francis, M.D.  
Associate Attending Staff, Division of Infectious Diseases

PERKINS, Robert L., M.D.  
Clinical Attending Staff, Division of Infectious Diseases

PLOUFFE, Joseph, F. M.D.  
Associate Attending Staff, Division of Infectious Diseases

**CLINICAL DEPARTMENT OF NEUROLOGY**

DEMARIA, JR., Alfred Anthony, M. D.  
Clinical Attending Staff, Division of Neurology

KISSEL, John Thomas, M.D.  
Associate Attending Staff, Division of Neurology

MENDELL, Jerry R., M.D.  
Associate Attending Staff, Division of Neurology

NEWTON, Herbert B., M.D.  
Associate Attending Staff, Division of Neurology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**CLINICAL DEPARTMENT OF NEUROLOGY (contd)**

SAHENK, Zarife, M.D.  
Associate Attending Staff, Clinical Department of Neurology

SLIVKA, Andrew P., M.D.  
Associate Attending Staff, Department of Neurology

WARMOLTS, John R., M.D.  
Associate Attending Staff, Department of Neurology

**CLINICAL DEPARTMENT OF OB/GYN**

BELL, Jeffrey G.  
Clinical Attending Staff, Division of Gyn/Oncology

BOUTSELIS, John G., M.D.  
Attending Staff, Division of Oncology

COPELAND, Larry, M.D.  
Attending Staff, Division of Gynecologic Oncology

ESSIG, Garth Fredric, M.D.  
Associate Attending Staff, OB/GYN

LANDON, Mark B., M.D.  
Associate Attending Staff, Department of OB/GYN

LEWANDOWSKI, George Scott, M.D.  
Attending Staff, Division of Gynecologic Oncology

SAMUEL, Mervyn J., M.D.  
Clinical Assistant Staff, Department of OB/GYN

**DEPARTMENT OF INTERNAL MEDICINE – Division of Renal**

BAY, William H. M.D.  
Associate Attending Staff, Division of Nephrology

COSIO, Fernando Garcia, M.D.  
Associate Attending Staff, Division of Nephrology

DILLON, John J., M.D.  
Associate Attending Staff, Division of Renal Diseases

HEBERT, Lee A., M.D.  
Associate Attending Staff, Division of Nephrology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Renal (contd)**

MIDDENDORF, Donald Fredric, M.D.  
Associate Attending Staff Division of Nephrology

NAHMAN, JR., Norris Stanley, M.D.  
Associate Attending Staff, Division of Nephrology

**DEPARTMENT OF OPHTHALMOLOGY**

BENES, Susan C., M.D.  
Associate Attending Staff, Department of Ophthalmology

BRUCE, JR., Robert A., M.D.  
Associate Attending Staff, Department of Ophthalmology

BURNS, John A., M.D.  
Associate Attending Staff, Department of Ophthalmology

CAHILL, Kenneth V., M.D.  
Associate Attending Staff, Department of Ophthalmology

CHAMBERS, Robert B., D.O.  
Associate Attending Staff, Department of Ophthalmology

DAVIDORF, Frederick H., M.D.  
Associate Attending Staff, Department of Ophthalmology

HARNISH, Wesley James, M.D.  
Clinical Attending Staff, Department of Ophthalmology

KELLEY, Curtin Gregg, M.D.  
Clinical Attending Staff, Department of Ophthalmology

LEMBACH, Richard George, M.D.  
Associate Attending Staff, Department of Ophthalmology

WEBER, Paul August, M.D.  
Associate Attending Staff, Department of Ophthalmology

**DEPARTMENT OF OTOLARYNGOLOGY**

KELLY, David Robert, M.D.  
Associate Attending Staff, Department of Otolaryngology

SAUNDERS, William H., M.D.  
Associate Attending Staff Department of Otolaryngology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF OTOLARYNGOLOGY (contd)**

SCHULLER, David E., M.D.  
Attending Staff, Department of Otolaryngology

SIEGEL, Ronald Jay, M.D.  
Attending Staff Department of Otolaryngology

**DEPARTMENT OF PATHOLOGY**

BAKER, Peter B., M.D.  
Associate Attending Staff, Department of Pathology

BLAZINA, Janice Fay, M.D.  
Associate Attending Staff, Department of Pathology

BOESEL, Carl P., M.D.  
Associate Attending Staff, Department of Pathology

BRANDT, John T., M.D.  
Associate Attending Staff, Department of Pathology

CLAUSEN, Kathryn Pearce, M.D.  
Associate Attending Staff, Department of Pathology

HAMMOND, Sue, M.D.  
Associate Attending Staff, Department of Pathology

KENNEDY, Melanie S., M.D.  
Associate Attending Staff, Department of Pathology

KEYHANI-ROFAGHA, Sedigheh, M.D.  
Associate Attending Staff, Department of Pathology

LUCAS, Joel George, M.D.  
Associate Attending Staff, Department of Pathology

MARSH, JR., William Laverne, M.D.  
Associate Attending Staff, Department of Pathology/Surgical

NEFF, John Carl, M.D.  
Associate Attending Staff, Department of Pathology

O'TOOLE, Robert V., M.D.  
Associate Attending Staff, Department of Pathology

SEDMAK, Daniel Dreese, M.D.  
Associate Attending Staff, Department of Pathology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF PATHOLOGY (contd)**

SENHAUSER, Donald Albert, M.D.  
Associate Attending Staff, Department of Pathology

SHARMA, Hari M., M.D.  
Associate Attending Staff, Department of Pathology

SMITH, Jack W., Jr., M.D.  
Associate Attending Staff, Department of Pathology

SPEICHER, Carl Eugene, M.D.  
Associate Attending Staff, Department of Pathology

THEIL, Karl Stephen, M.D.  
Associate Attending Staff, Department of Pathology

**DEPARTMENT OF PHYSICAL MEDICINE**

BOWYER, Brian L., M.D.  
Associate Attending Staff, Department of Physical Medicine

CLAIRMONT, Albert C., M.D.  
Associate Attending Staff, Department of Physical Medicine

COLACHIS, Sam C., M.D.  
Associate Attending Staff, Dept. of Physical Medicine

JOHNSON, Ernest W., M.D.  
Associate Attending Staff Department of Physical Medicine

KAPLAN, Paul E., M.D.  
Associate Attending Staff, Department of Physical Medicine

PEASE, William S., M.D.  
Associate Attending Staff, Department of Physical Medicine

**DEPARTMENT OF PREVENTIVE MEDICINE**

BROWN, Charles Gerand, M.D.  
Associate Attending Staff, Department of Preventive Medicine

ROBERTS, David E., M.D.  
Associate Attending Staff, Department of Preventive Medicine



July 6, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

#### **DEPARTMENT OF PSYCHIATRY**

ASLANIAN, Wahan Socrat, M.D.  
Associate Attending Staff, Department of Psychiatry

CHURCHILL, Cynthia Marie, M.D.  
Associate Attending Staff, Department of Psychiatry

NASRALLAH, Henry Ata, M.D.  
Associate Attending Staff, Professor/Chairman, Dept. of Psychiatry

PARISER, Stephen F., M.D.  
Associate Attending Staff, Dept. of Psychiatry

SHY, Kathy Elaine, M.D.  
Associate Attending Staff, Department of Psychiatry

#### **DEPARTMENT OF RADIOLOGY**

BELTRAN, Javier, M.D.  
Associate Attending Staff, Department of Radiology

BENNETT, William Fred, M.D.  
Associate Attending Staff, Department of Radiology

BOVA, James Gregory, D.O.  
Associate Attending Staff, Department of Radiology

BROGAN, Martha Anne, M.D.  
Associate Attending Staff, Division of Neuroradiology

CHAKERES, Donald William, M.D.  
Associate Attending Staff, Division of Neuroradiology

CHRISTOFORIDIS, A. John, M.D.  
Associate Attending Staff, Department of Radiology

GAHBAUER, Reinhard Alfred, M.D.  
Attending Staff, Division of Radiology/Oncology

HODGSON, Sheila E., M.D.  
Attending Staff, Division of Radiation Oncology

NAG, Subir, M.D.  
Attending Staff, Division of Radiation Oncology

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF RADIOLOGY (contd)**

PIETERS, Richard Sawyer, M.D.  
Attending Staff, Division of Radiation Oncology

STOCKUM, Alfred E., M.D.  
Associate Attending Staff, Division of Angiography & Interventional

VAN AMAN, Michael Elwin, M.D.  
Associate Attending Staff, Division of Diagnostic Radiology

**DEPARTMENT OF SURGERY**

ARNOLD, Mark William, M.D.  
Associate Attending Staff, Division of General Surgery

BADALAMENT, Robert A., M.D.  
Attending Staff, Division of Urology

CLOUTIER, Charles Theodore, M.D.  
Associate Attending Staff, Division of General Surgery

DRAGO, Joseph Rosario, M.D.  
Attending Staff, Division of Urology

DURHAM, Joseph R., M.D.  
Associate Attending Staff, Division of General Surgery

ELLISON, E. Christopher, M.D.  
Clinical Attending Staff, Division of General Surgery

FARRAR, William Blair, M.D.  
Attending Staff, Division of Surgical Oncology

FERGUSON, Ronald Morris, M.D.  
Associate Attending, Division of Transplantation

FLANCAUM, Louis Jack, M.D.  
Associate Attending, Division of General Surgery

GOODMAN, Joseph H., M.D.  
Associate Attending Staff, Division of Neurologic Surgery

HENRY, Mitchell Lane, M.D.  
Associate Attending Staff, Division of Transplantation

HOWANITZ, E. Paul, M.D.  
Associate Attending Staff, Division of Thoracic Surgery

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF SURGERY (contd)**

JONASSON, Olga, M.D.

Associate Attending Staff, Department of Surgery

KILMAN, James William, M.D.

Associate Attending Staff, Division of Thoracic Surgery

KING, Denis Renz, M.D.

Clinical Attending Staff, Dept. of Surgery/Pediatric

MARTIN, Jr., Edward Wright, M.D.

Attending Staff, Department of Surgery

MINER, Michael Ervin, M.D.

Associate Attending Staff, Division of Neurosurgery

MINTON, John P., M.D.

Attending Staff, Department of Surgery

MURRAY, Kevin Dennis, M.D.

Associate Attending Staff, Division of Thoracic & Cardiovascular

MYEROWITZ, P. David, M.D.

Associate Attending Staff, Division of Thoracic Surgery

NIMS, Thomas A., M.D.

Clinical Attending Staff, Division of Surgical Oncology

OSTRUM, Robert Fredric, M.D.

Associate Attending Staff, Division of Orthopaedics

REA, Gary L., M.D.

Associate Attending Staff, Division of Neurosurgery

ROBERTS, John B., M.D.

Associate Attending Staff, Division of Orthopaedics

RUBERG, Robert L., M.D.

Associate Attending Staff, Division of Plastic Surgery

SCHWARZELL, John Richard, M.D.

Clinical Attending Staff, Division of General Surgery

SIMON, Sheldon Roy, M.D.

Associate Attending Staff, Division of Orthopaedics

SMEAD, William Lewis, M.D.

Associate Attending Staff, Division General Vascular Surgery

July 6, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF SURGERY (contd)**

STECHISON, Michael Thomas, M.D.  
Associate Attending Staff, Division of Neurosurgery

TEICH, Steven, M.D.  
Associate Attending Staff, Division of Pediatric Surgery

TESI, Raymond J., M.D.  
Associate Attending Staff, Division of Transplantation

TOWNSEND, Michael Christopher, M.D.  
Associate Attending Staff, Division of General Surgery

WALKER, Michael James, M.D.  
Attending Staff, Division of Surgical Oncology

WEIS, Lawrence D., M.D.  
Associate Attending Staff, Division of Orthopaedic Surgery

WISE, Henry Alexander, M.D.  
Clinical Attending Staff, Division of Urology

WOODWORTH, Bruce Edward, M.D.  
Associate Attending Staff, Division of Urology

YORK, Jeffrey P., M.D.  
Associate Attending Staff, Division of Urology

Honorary Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)

SULLIVAN, Louis W., M.D.  
Honorary Staff, Secretary of the U.S. Department of Health and Human Services

JAMES, Arthur G., M.D.  
Honorary Staff, Department of Surgery  
Emeritus Professor

NEWTON, William Allen, M.D.  
Honorary Staff, Department of Pathology & Pediatrics  
Emeritus Professor

July 6, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

Mr. Teaford:

I would note, Madam Chairperson, that one of the Honorary Staff--Appointments is Dr. Sullivan, Secretary of Health and Human Services.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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### **RESOLUTION IN MEMORIAM**

Resolution No. 91-6

Synopsis: The Academic Affairs Committee recommended the approval of a Resolution in Memoriam for Fanchon Warfield.

RESOLVED, That the Board adopt the following Resolution in Memoriam and that the President be requested to convey a copy to the family of the deceased.

#### **Fanchon Warfield**

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 5, 1990, of Fanchon Warfield, Professor Emeritus in the Department of Home Economics Education.

Professor Warfield was born in Summerfield, Ohio, on February 6, 1903. Following an introduction to education at Ohio University in 1928, she continued with her Master's degree from Washington State College in 1947.

Professor Warfield began her career in education as a public high school teacher in southeast Ohio from 1922-1936. In 1950, she began her work with the Cooperative Extension Service as County Home Economics Agent (County Home Demonstration Agent) and continued in this position for fourteen years. Also in 1950, she became the Assistant State Leader; and from 1956 until her retirement in 1970, she was Leader of Training.

In 1955, Professor Warfield received the "Professor of the Year" award and worked as faculty advisor of the University 4-H Club for four years. She also gave many presentations at county meetings, served as consultant to study groups in the counties, worked on many programs for the National Training Conferences, and was professional advisor to many students. Professor Warfield will be well remembered by many students.

Professor Warfield was also involved in the Induction Training Committee; Workshops for Credit; the Annual Conference; The Ohio State Fair; and the Public Relations and College Recruitment Committee. She was a member of OHEA, AHEA, AAUW, Phi Upsilon Omicron, and Epsilon Sigma Phi.

July 6, 1990 meeting, Board of Trustees

### RESOLUTION IN MEMORIAM (contd)

Fanchon Warfield (contd)

On behalf of the University community, the Board of Trustees expresses to the family its deep sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's realization of the loss that the family, the University, and her many friends and associates have sustained.

Upon motion of Mr. Kessler, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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### STUDENT AFFAIRS COMMITTEE REPORT

Ms. Paige:

The Student Affairs Committee began with a report from David Mucci and Mike Pollway. They updated the Committee on the recent developments in the Ohio and Drake Unions. The Unions' renewed commitment to serve as its campus community center provided the content for their presentation.

Three key issues confront the Unions today: infrastructure, deterioration, and deferred maintenance. These issues remain a serious challenge for the Unions now and in the foreseeable future. Fourteen million dollars in renovations will be required within the next two decades; \$2.5 million of that sum is immediately needed. The Unions have recently had \$1.5 million in projects funded through a recent OSU bond issue. The Unions financial state continues to improve but the current \$1.8 million deficit will take several years to eliminate. The Unions are working vigorously to achieve such through various revenue generating and cost eliminating efforts.

The Unions' Student Program and Leadership Development Activities continue to engage students and campus services. The Unions have redoubled their program commitment with their assignment of Student Affairs Committee major events which include: concerts, Michigan Weekend, Afro-American Heritage Festival, and Welcome Week. In fulfilling their curricular role, Union programs serve the institution's academic mission through academically related programs. The Unions have also made strides in the area of diversity and international retention programs.

We next heard reports from the student government leaders:

Ms. Benetta Lucius:

Good morning. I have officially taken over my duties for the Council of Graduate Students and I am glad to have this opportunity to serve in this position, and, also, the opportunity to speak before you. I am going to try to continue to follow the traditions set by the past Presidents, Roger and Luke, except for one -- I will not grow a beard. Our other new officers are: Vice President, Randy F. Rush, a Ph.D. student in Educational Theory & Practice; Secretary, Beth Miller, a Ph.D. student in Pathology; and Treasurer, John E. Quintoc, a Master's student in City and Regional Planning.

July 6, 1990 meeting, Board of Trustees

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Ms. Lucius: (contd)

Vice President Randy Rush is busy scheduling interviews for those graduate students interested in serving on the University Senate, the Council of Research and Graduate Studies, and University-wide committees. He is also planning our orientation for new graduate students this Fall. Our Ad Hoc Committee, the Quarter Re-evaluation Committee, is conducting an informal poll of graduate students to ask questions concerning their view as to the appropriateness of the quarter calendar at Ohio State. We will continue to study that issue.

By consensus our spring picnic was a success. The weather was picnic perfect. The band, the electricians, and the sound crew were all there on time to set up. All was a success, except our attendance wasn't as great as we had hoped. Therefore, today we are having a summer cookout for graduate students, faculty, and staff to divest ourselves of the remaining food from the picnic. You are all welcome to attend.

Finally, I would like to say thank you to the Search Committee for all of their hard work and to the Board in their selection of the new President for this University. We know that it was not an easy job. We would like to welcome Dr. Gee to Ohio State University, knowing that he represents the finest among 150 applicants. I like his bow tie. I can't say that this is true for all graduate students. We think that he shares his trademark with good company: Humphrey Bogart, Winston Churchill, and Pee Wee Herman. The emphasis, I think, should be that the bow tie is an attire of a gentleman and from what I can tell, it is suitable. We are, indeed, glad to have Dr. Gee as President of this University. Thank you.

Ms. Paige:

Are there any questions? Next, we will hear a report from Mike Clark, President of the Undergraduate Student Government.

Mr. Mike Clark:

Good morning. First, I would like to introduce John Lewis, our USG Treasurer. I am going to try, periodically, to bring members of USG to these meetings so they can get a feel for and see actually what the Board of Trustees are about. This is the beginning of my fifth year here, and I had no conception of who the Trustees were and what they did until I got involved in this office. I am trying to get our organization more involved -- to see what we do and what you do.

I would like to talk about some of the concepts USG will be working on next year. I feel that in the past few years the Undergraduate Student Government has been somewhat isolated. We seem to be confined to the realms of the Columbus area. We are starting to get involved in the organization called OSA (Ohio Student Association). Their success has been a roller coaster over the last few years and Ohio State's involvement with this organization has been a roller coaster. I don't know if we're on the same roller coaster or the same track or not, but seeing that we are the center of Ohio and we are the largest school in Ohio, we can play a major role in the reconstruction of this organization by trying to get other public universities in the State together and discussing some of the issues of higher education. Along those lines is Voter Registration. With the elections coming up in November, we are

July 6, 1990 meeting, Board of Trustees

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Mr. Clark: (contd)

trying to set up an All-Ohio Voter Registration Campaign. Hopefully if we get a great turnout, which we are predicting, maybe we can use this as some kind of poll or whatever you want to call it with funding for the State and the University, and things of that nature.

I would also like to update you on some of the things we are doing ourselves. I don't know if you are really involved, or if you really have the understanding of all the projects we do for the students, but one thing we do is the Crime Watch Escort Service which is involved with the campus safety issue. It has been in existence for about five years. It is ranked third in the country for a university escort service. It has been growing quite a bit every year. What we do is publicize on campus to provide escorts back and forth from the dorms and the libraries, etc. The students don't have to walk by themselves and feel the threat of being attacked or harassed. What we want to try and do is improve the service this year and to try and develop some better orientation programs for these people, we call them roves. These are the people who go out and do the escorting. We are trying to have programs with OSU police to educate people on first aid and how to handle certain crisis situations that might occur when they are doing the escorting.

We are also trying to create better publicity for this service. Right now it is operating by word of mouth. We want to come up with posters we can put in the dorms and in the libraries to remind people of the service. We are also going to be using the Lantern, and trying to come up with key chains, things of that nature. We are hoping with greater publicity we will have an increase in the number of people requesting the Escort Service for this coming fall. Now with the University's new hourly rate, we will probably have to decrease the number of people working in the organization. We are really going to have our hands full.

Also, Mike Stiziano has been working on a program for the Campus area. I understand this program is on hold right now and I don't know the exact details. We really haven't been too involved with that, but we hope to try and intermix our Escort Service and Mr. Stiziano's program once this gets off the ground.

To sum everything up, USG has to break out of its shell. Not only do I feel that we have been somewhat isolated at the national level with all other student organizations, but I think we have isolated ourselves on this Campus. The faculty and administrators are somewhat aware of what the Undergraduate Student Government does, but the students really are not aware. We really have to start concentrating on and put more emphasis on USG involvement with student organizations, not just financially, but going in and helping them work the programs. Also, we think we should start working with the Council of Graduate Students and IPC on some of their programs. We can all accomplish a lot more for the students if we all work as one single unit. That is what we hope to do in the upcoming year. Are there any questions?

Mr. Tonnies:

The Escort Service has seen an increase in the number of requests for their service -- getting from the library back to the dorms or whatever, right? So the word is getting out.



July 6, 1990 meeting, Board of Trustees

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Mr. Clark:

Yes, the word is getting out. Like I said before, right now it is just by word of mouth. We need to do more than that. We want to become even bigger. You know how the crime rate has been escalating. We want to start publicizing the service more via the Lantern, posters, or however we can.

Ms. Paige:

How many students utilize this service?.

Mr. Clark:

I don't have the exact figures, but, I believe, we average 17 escorts a night. That is actually fall, winter, and spring. We don't have it operating during the summer because of budget constraints.

Mr. Shumate:

You might be interested to know that Dr. Gee is a strong supporter of the Escort Service and actually participated, at the University of Colorado, in an effort to promote this very important function.

Mr. Clark:

The Director of the Escort Service and myself met with Dr. Gee on Thursday of last week. Dr. Gee said he will go out with us when he gets here. It will be interesting to see how it comes out.

Mr. Teaford:

He will. That has been his history at Colorado. I have heard from a number of persons who had sons and daughters at the University of Colorado, talking about how distressed they were because they have had personal involvement with Dr. Gee. In fact, it is quite awesome the number of people who have said that to me.

Mr. Clark:

We would like, hopefully, in the future to have this Escort Service expand a little bit more to the off-campus housing area. There are a lot of students that are considered commuter students because they live off-campus. They might live a half mile from campus and come to the libraries and have to walk that extra distance, sometimes through one of those problem areas. We are trying to come up with ways to deal with that, maybe that is what Mr. Stizano's program is about.

Mr. Celeste:

Mike, you said that there is an increase in requests. Is it an actual fact that the crime rate is increasing?

July 6, 1990 meeting, Board of Trustees

### **STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Teaford:

Ted, according to statistics we have had exceptions, but, indeed, the statistics are remarkably level over 10 years. We had that report sometime last year.

Mr. Clark:

Whether it is really increasing or not, I think, the perceptions are what you have to worry about. People think the crime rate is up, you have to respond to that demand.

Amb. Wolf:

We had some highly publicized activities beginning this past academic year which really--

Mr. Teaford:

It turned out some of them didn't happen.

Mr. Shumate:

Mike, are undergraduate students participating in this study on quarters vs. semesters or is that just the graduate students?

Mr. Clark:

I believe it is just the graduate students.

Ms. Lucius:

We feel that the graduate students have had more opportunity to experience quarter or semester systems, so they have more of a way of comparing this system with another system.

Ms. Paige:

The Graduate School Study is for the undergraduate system. Their proposal is not yet for the whole system.

Mr. Shumate:

That's what I was asking.

Mr. Tonnies:

Ohio State does have a large number of transfer students. All you have to do is look at any college office and see that. Maybe you can tap into that source, because many undergraduates come from semester schools.

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July 6, 1990 meeting, Board of Trustees

## AGRICULTURAL AFFAIRS COMMITTEE

Mrs. Bowser:

This morning, since Ms. Casto is in China, we had our Vice Chair of the Agricultural Affairs Committee, Steven Maurer, with us. Steven is the Director of Agriculture for the State of Ohio. He has been a regular attendee to the Agricultural Affairs Committee meetings, but generally you don't see him at the Board meetings. We are very happy to have you with us this morning, Steven, and will you please report for us on the Agricultural Affairs Committee.

Mr. Steven D. Maurer:

Thank you, Madam Chair, it is a pleasure to be here. I think this is the first time I have had the opportunity to Chair the meeting and, I guess, I can thank Ms. Casto for that. The Agricultural Affairs Committee of the Board of Trustees received two reports, one was an update on the Ag Situation in Ohio this year and the second was on our international programs at the University through the College of Agriculture.

Dr. Bob Moser, Associate Dean of the College of Agriculture and Director of the Ohio Cooperative Extension Service, and Dr. Don Pritchard, Assistant Director of the Ohio Cooperative Extension Service, described the 1990 Ag Situation in Ohio. As in 1989 Ohio has, again, experienced another wet spring that is impacting agriculture. The impact has been very severe in the southern and southeastern counties. Twenty-two counties have been declared disaster counties, eight additional counties have been recommended for disaster status. While the weather has caused a serious impact in these counties, it has not seriously effected most of the major crop producing counties. Two-thirds of the income produced from crops in Ohio, are generated from the northwest to west central and southwestern counties, which generally have had acceptable weather conditions. Virtually all of the corn and soybeans have been planted, except double cropped soybeans which should be planted in the next two weeks.

The wheat harvest has progressed rather well. The yields and test weights are up. Northwestern Ohio is awash in combines at the moment trying to get that harvest in. What limited Konola planting exists in this State will also be harvested at about the same time. That is a relatively new crop and we are all interested to see just how that fares in the State. Fruit crops in Ohio were damaged by earlier frost and while there is going to be a diminished crop there will be peaches, apples, and grapes.

The College, through the Ohio Cooperative Extension Service, has distributed news releases and news letters that provide the farmers and home owners information on crop and plant cultural practices related to the wet weather. Also, responses were made to individual requests for specific research-based information. I might also note that we had a discussion on the role that the Extension Service played in relation to the disaster that took place in Shadyside, and really regarding the role that this institution plays whenever there is a disaster in Ohio. We find that the Extension Service is a very, very strong and important link when our counties have difficulties.

July 6, 1990 meeting, Board of Trustees

#### AGRICULTURAL AFFAIRS COMMITTEE (contd)

Mr. Maurer: (contd)

Next, we received a report from Dr. David Hanson, Associate Dean and Director of International Programs, who briefed the Committee on the international dimension of the teaching, research, and service programs of the College of Agriculture. International programs involve: faculty overseas travel; research teaching and technical assistance; recruitment of international graduate students; study and research abroad opportunities for graduate and undergraduate students; and the use of international students to inform the OSU community, as well as communities throughout Ohio, about other countries and international issues.

Current programs conducted by the College include: a \$10.1 million program in Uganda, funded by the U.S. Agency for International Development; \$7.25 million for a U.S. AID funded program in the Dominican Republic; \$100,000 for a U.S. AID funded program in Swaziland; \$150,000 program/support project funded by AID; and a number of graduate training programs for international students. The International Programs Office in the College also administers an International Agriculture Intern Program that places OSU students on farms and in agri-businesses. A Peace Corps recruiting office for Central Ohio is located in the College's International Programs Office.

I think it was the general consensus of the Committee that we, as a State, considering the nature of the world today, need to pay a lot more attention to our international programs throughout the State government and here at the University. In developing nations, the role of agriculture can be very important and one from which Ohio can learn, as well as teach.

Madam Chairperson, that concludes my report. I would like to mention that within the last month the Ag Income Enhancement Center funding, which was promised by Governor Celeste two years ago, has finally been completed. The State's share has been completed and the program is now fully funded. Thank you, Madam Chairperson.

Mrs. Bowser:

Thank you very much for giving us your morning. We appreciate your time. This kind of report reminds us of our land-grant mission here at Ohio State. We do reach out and that is why we were founded and how we were founded. It always makes me very proud when I hear of our participation with people around the State. Shadyside is a good example of Ohio State's commitment to the people of Ohio.

Mr. Teaford:

Another thing, Madam Chairperson, in the course of our interviewing the candidates for the Presidency, it cannot be overemphasized how important it was to all of them that we are a land-grant institution and where the future of higher education lies.

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July 6, 1990 meeting, Board of Trustees

## FISCAL AFFAIRS COMMITTEE REPORT

Amb. Wolf:

The Fiscal Affairs Committee is recommending the following resolutions:

### REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 91-7

Synopsis: The Fiscal Affairs Committee recommended the approval of the research contracts, grants, and gifts and the summary for May 1990.

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, The Ohio State University Development Fund, and The Ohio State University Foundation:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, The Ohio State University Development Fund, and The Ohio State University Foundation during the month of May 1990 be approved.

Upon motion of Amb. Wolf, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

### SUMMARY FOR MAY 1990

#### Background

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	141	\$10,153,360.53
Engineering Experiment Station	28	\$ 492,513.00
Total	169	\$10,645,873.53

The Ohio State University Development Fund

Establishment of Named Funds

The Helen L. Kurtz Chair in Chemical Engineering Fund (Endowed Chair - Chemical Engineering)	\$ 300,000.00
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July 6, 1990 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR MAY 1990 (contd)**

Background (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Ralph W. Kurtz Chair in Mechanical Engineering Fund (Endowed Chair - Mechanical Engineering)	\$ 300,000.00
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The Columbus Chapter of Links, Inc. Scholarship Fund (Scholarships for Black students graduating from Columbus Public Schools)	\$ 30,000.00
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The Herbert F. Baas Memorial Award in Agricultural Engineering (Awards for research related to the animal by-products industries)	\$ 25,000.00
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The Aldrich Syverson Scholarship Fund (Scholarships - Chemical Engineering)	\$ 19,645.00
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The Eli and Sharon Barnes Endowment Fund (Discretionary fund for the Department of Black Studies)	\$ 15,250.00
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The Eli E. Rose Endowment Fund (Provide funds for the College of Business)	\$ 15,230.00
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The Lois and Ethel Leuchtag Nursing Scholarship Fund (Provide funds for College of Nursing)	\$ 15,000.00
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The Provico Big-H OARDC Faculty Research Awards Fund (Recognize OARDC scientists)	\$ 15,000.00
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Change in Name and Description of Named Fund

From: The William Lloyd Evans Fellowship Fund

To: The William Lloyd and Cora Roberts Evans Fellowship

Change in Description of Named Funds

The Hazael Edward Welton Endowment Fund  
Richland County Ohio State University Alumni Club  
The Ohio State University at Mansfield Scholarship Endowment Fund

The Ohio State University Foundation

Approval of Description and Establishment of Fund

The Luther M. Keith Professorship in Surgery

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - May 1990

#### **Federal Research Contracts/Grants**

\$624,776.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, ElectroScience Laboratory, Department of Electrical Engineering (W. D. Burnside), 1 April 1990 through 31 March 1991. (Project 761608 - Continuation)

\$365,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Purchase of a Gas Chromatograph/Mass Spectrometer, Chemical Instrumentation Center, Department of Chemistry, and Department of Biochemistry (A. G. Marshall), 12 April 1990 through 11 April 1991. (Project 768248 - New)

\$335,166.00 - Department of Agriculture, Science and Education, Washington, D.C., North Central Region Special Studies Program for Pesticide Impact Assessment, Department of Entomology - OARDC and Department of Entomology (A. C. Waldron), 1 April 1990 through 31 March 1992. (Project 768223 - New)

\$242,146.00 - National Science Foundation, Washington, D.C., Program for Leadership in Earth Systems Education, Department of Educational Studies: Humanities, Science, Technological, and Vocational (V. J. Mayer) and School of Natural Resources (R. W. Fortner), 15 May 1990 through 30 April 1991. (Project 768227 - New)

\$210,288.00 - National Science Foundation, Washington, D.C., Research on Cylindrical Algebraic Decomposition, Department of Computer and Information Science (G. E. Collins), 1 May 1990 through 30 April 1993. (Project 768240 - New)

\$196,316.00 - Department of Energy, Argonne, Illinois, Synthesis and Evaluation of Boron Compounds for Neutron Capture Therapy of Malignant Brain Tumors, College of Pharmacy (A. H. Soloway) and Department of Pathology (R. F. Barth), 1 May 1990 through 30 April 1991. (Project 768250 - New)

\$184,801.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Mediative Teaching and Learning Strategies, Education Administration and Department of Educational Services and Research (L. Magliocca), 1 October 1990 through 30 September 1991. (Project 767101 - Continuation)

\$183,415.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Polyquinane and Related Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1990 through 30 June 1991. (Project 762298 - Continuation)

\$182,400.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Graduate Assistance Fellowships in Areas of National Need, Department of Physics (J. T. Tough), 1 September 1990 through 31 August 1991. (Project 768272 - New)

\$161,440.00 - Department of Health and Human Services, National Institute of Environmental Health Sciences, Bethesda, Maryland, Genotoxicity in Human Fetal Brain, Dermis, and Kidney Cells, Department of Radiology (S. M. D'Ambrosio and A. A. Wani), 1 June 1990 through 31 May 1991. (Project 763673 - Continuation)

July 6, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$160,814.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Colitis and Colon Cancer in Cotton-Top Tamarins, Department of Physiology (J. D. Wood), 1 May 1990 through 30 April 1991. (Project 768233 - New)

\$156,223.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Coronary Phenotypic Modulation After Cardiac Transplant, Department of Internal Medicine (R. C. Starling) and Department of Anatomy (A. R. Strauch), 1 May 1990 through 30 April 1991. (Project 767634 - Continuation)

\$155,992.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Intramolecular Electron Migration in Proteins and Polypeptides, Department of Chemistry (M. H. Klapper), 1 July 1990 through 30 June 1991. (Project 765529 - Continuation)

\$153,941.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Medicine Administration (D. G. Cornwell), 1 April 1990 through 31 March 1991. (Project 761078 - Continuation)

\$139,553.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Deoxycytidine Kinase: Regulation and Molecular Biology, Department of Biochemistry (D. H. Ives), 1 May 1990 through 30 April 1991. (Project 767295 - Continuation)

\$133,573.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Dietary Fat: Physiological Function, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1990 through 30 April 1991. (Project 764415 - Continuation)

\$125,800.00 - Environmental Protection Agency, Washington, D.C., Metabolism of Arsenicals by Alcaligenes faecalis, Department of Physiological Chemistry (C. R. Hille), 7 May 1990 through 6 May 1992. (Project 768277 - New)

\$123,480.00 - National Science Foundation, Washington, D.C., Nuclear Physics at Low and Intermediate Energies, Including the Hadron Charge Exchange and Radiative Capture Programs, Department of Physics (E. R. Sugarbaker), 1 December 1990 through 30 November 1991. (Project 766752 - Continuation)

\$113,460.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, High-Level Connectionist Models, Department of Computer and Information Science (J. B. Pollack), 1 October 1989 through 31 December 1990. (Project 767172 - Continuation)

\$109,909.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Research and Graduate Studies Administration (T. L. Sweeney), 18 April 1990 through 31 March 1991. (Project 764748 - Continuation)



July 6, 1990 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$107,800.00 - National Science Foundation, Washington, D.C., Kinetics, Spectroscopy, and Mechanistic Studies of Carbenes, Biradicals, and Radicals, Department of Chemistry (M. S. Platz), 1 February 1990 through 31 January 1991. (Project 767259 - Continuation)

\$106,821.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Biochemical Probes of the Active Site of Aromatase, College of Pharmacy (R. W. Brueggemeier and S. Black), 1 May 1990 through 30 April 1991. (Project 766718 - Continuation)

\$103,695.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Function of the Enteric Nervous System, Department of Physiology (J. D. Wood), 1 May 1990 through 30 April 1991. (Project 765012 - Continuation)

\$102,346.00 - National Science Foundation, Washington, D.C., Technology-Informed Mathematics Education for Underrepresented Students (TIME for US), Academic Affairs Administration (J. J. Bishop) and Department of Mathematics (F. Demana), 15 March 1990 through 31 July 1991. (Project 768238 - New)

\$100,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Assessing and Modeling Water Quality Benefits of Water Table Management Systems, Department of Agricultural Engineering - OARDC and Department of Agricultural Engineering (A. D. Ward), Department of Agronomy - OARDC and Department of Agronomy (T. J. Logan), and Department of Geology and Mineralogy (E. S. Bair), 15 May 1990 through 31 May 1993. (Project 768280 - New)

\$100,000.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Patricia Roberts Harris Program, 1990-1991, Graduate School Administration (J. D. Dickerscheid), 1 September 1990 through 31 August 1991. (Project 768264 - New)

\$100,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, ST1 Antigen in Wounds, Department of Molecular Genetics (R. A. Tassava), 1 July 1990 through 30 June 1991. (Project 768290 - New)

\$99,568.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Regulation of Metamorphosis Behavior in the Tsetse Fly, Department of Entomology (D. L. Denlinger), 1 June 1990 through 31 May 1991. (Project 767561 - Continuation)

\$94,900.00 - National Science Foundation, Washington, D.C., Energy and Structure of Interphase Interfaces, Department of Materials Science and Engineering (P. G. Shewmon and S. Dregia), 1 May 1990 through 30 April 1991. (Project 768257 - New)

\$90,293.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Marginal Copper Intake Effects: Superoxide Dismutase and Lipid Peroxidation, Department of Human Nutrition and Food Management (R. A. DiSilvestro), 1 May 1990 through 30 April 1991. (Project 768077 - Continuation)

July 6, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$81,000.00 - National Science Foundation, Washington, D.C., Properties of Superconductors, Department of Physics (T. R. Lemberger), 1 April 1990 through 31 March 1991. (Project 767396 - Continuation)

\$70,000.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., Reading Recovery Project 1987-1991, Department of Educational Theory and Practice (C. A. Lyons, G. S. Pinnell, and D. Deford), 1 October 1990 through 30 September 1991. (Project 766402 - Continuation)

\$68,900.00 - National Science Foundation, Washington, D.C., Structural Requirements for Protein Membrane Assembly, Department of Chemistry (R. E. Dalbey), 1 December 1990 through 30 November 1991. (Project 766800 - Continuation)

\$67,873.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Preclinical Pharmacology Investigations of Antitumor Agents, College of Pharmacy (J. Supko), 14 April 1990 through 17 August 1990. (Project 767472 - Continuation)

\$67,775.00 - Department of Health and Human Services, National Institute of Child Health and Human Development, Bethesda, Maryland, Regulation of Human Decidual Prolactin, Department of Internal Medicine (R. D. Jackson), 1 April 1990 through 31 March 1991. (Project 766234 - Continuation)

\$67,496.00 - National Aeronautics and Space Administration, Washington, D.C., Interaction of Calcium, Calmodulin, and Auxin in Root Gravitropism, Department of Botany (M. L. Evans), 1 March 1990 through 28 February 1991. (Project 763005 - Continuation)

\$64,740.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Video Data Compression Using Neural Networks, Department of Electrical Engineering (S. Ahalt and A. K. Krishnamurthy), 1 April 1990 through 31 March 1991. (Project 768241 - New)

\$63,733.00 - Department of Energy, Argonne, Illinois, The Physics of Cellular Automata and Coherence and Chaos in Classical, Many-Body Dynamical Systems, Department of Physics (C. Jayaprakash and F. A. Hayot), 1 May 1990 through 30 April 1991. (Project 766728 - Continuation)

\$58,800.00 - National Science Foundation, Washington, D.C., Synthetic Catalysts Based on Reversible Covalent Bond Formation, Department of Chemistry (A. W. Czarnik), 1 June 1990 through 31 May 1991. (Project 767602 - Continuation)

\$56,840.00 - National Science Foundation, Washington, D.C., Single-Atom Peri-Bridged Arenes and Hetarenes: Carbenic and Silicaronic Processes, Department of Chemistry (H. Shechter), 1 November 1990 through 31 October 1991. (Project 766810 - Continuation)

\$55,000.00 - National Aeronautics and Space Administration, Washington, D.C., Cellular Polarity and Interactions in Plant Gravitropism, Department of Botany (F. D. Sack), 15 December 1989 through 14 December 1990. (Project 764883 - Continuation)

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

\$51,953.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Expanding African Studies at The Ohio State University, University Center for International Studies (I. J. Mowoe), 1 October 1990 through 30 September 1991. (Project 767698 - Continuation)

\$50,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Compressible Free Shear Layer, Department of Mechanical Engineering (M. Samimy), 1 February 1990 through 30 September 1990. (Project 768247 - New)

\$44,821.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Controller Design Approaches and Evaluations, Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 16 March 1990 through 30 September 1990. (Project 766464 - Continuation)

\$44,076.00 - National Science Foundation, Washington, D.C., Field Theoretic Models of Nuclear and Subnuclear Systems, Department of Physics (R. J. Perry), 1 September 1990 through 31 August 1991. (Project 766657 - Continuation)

\$42,040.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Multiple Comparisons with the Best Treatment, Department of Statistics (J. C. Hsu), 1 June 1990 through 31 May 1991. (Project 765581 - Continuation)

\$41,857.00 - Department of Health and Human Services, Bureau of Health Professions, Rockville, Maryland, Graduate Program in Hospital and Health Services Administration, Division of Hospital and Health Services Administration (S. F. Loeb), 1 October 1990 through 30 September 1991. (Project 761329 - Continuation)

\$40,549.00 - Department of Agriculture, Science and Education, Washington, D.C., Improved Sampling Methods for Predicting Weed Infestations in Soybeans, Department of Agronomy - OARDC (J. Cardina and E. L. McCoy), 1 May 1990 through 30 April 1992. (Project 768286 - New)

\$39,982.00 - National Science Foundation, Washington, D.C., Idealizations and the Reliability of Dimensional Analysis, Department of Philosophy (R. E. Laymon), 1 October 1990 through 30 September 1991. (Project 768253 - New)

\$36,260.00 - National Science Foundation, Washington, D.C., Quasicrystals and Superfluid Helium, Department of Physics (T. L. Ho), 1 June 1990 through 31 May 1991. (Project 766683 - Continuation)

\$35,721.00 - National Science Foundation, Washington, D.C., Extensions of the Graph-Minor Project, Department of Mathematics (G. N. Robertson), 1 June 1990 through 31 May 1991. (Project 767504 - Continuation)

\$35,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Theoretical Studies of the Surface Properties of Liquid Semiconductors and Metals, Department of Physics (D. G. Stroud), 1 May 1990 through 30 September 1990. (Project 767300 - Continuation)

July 6, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$32,701.00 - National Science Foundation, Washington, D.C., Models of the Location of Hub Facilities, Department of Geography (M. E. O'Kelly), 1 March 1990 through 28 February 1991. (Project 767343 - Continuation)

\$30,000.00 - Department of Agriculture, Washington, D.C., Small Area Estimation of Agricultural Products, Department of Statistics (P. K. Goel and E. Stasny), 1 June 1989 through 31 May 1991. (Project 767475 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, The Broad Emission Lines in the Seyfert Galaxy NGC 5548, Department of Astronomy (B. M. Peterson and G. J. Ferland), 1 June 1990 through 31 May 1991. (Project 768228 - New)

\$27,498.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Free Flight Composite Head Development, Department of Mechanical Engineering (J. A. Collins), 1 October 1990 through 31 December 1990. (Project 765776 - Continuation)

\$27,223.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Dentistry Administration (W. R. Wallace), 1 April 1990 through 31 March 1991. (Project 764652 - Continuation)

\$26,800.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (J. M. Cassidy), 1 April 1990 through 31 March 1991. (Project 760661 - Continuation)

\$24,059.00 - National Science Foundation, Washington, D.C., L-Functions with Applications to the Oscillator Representation, Department of Mathematics (S. Rallis), 1 December 1990 through 30 November 1991. (Project 766771 - Continuation)

\$22,000.00 - National Aeronautics and Space Administration, Washington, D.C., Fault Tolerant Control Using Neural Nets for Large Flexible Space Structures, Department of Electrical Engineering (U. Ozguner), 1 August 1990 through 31 July 1991. (Project 767653 - Continuation)

\$21,000.00 - Department of Health and Human Services, National Institute on Deafness and Other Communication Disorders, Bethesda, Maryland, Synaptogenesis and Gamma Amino Butyric Acid in the Gustatory Nucleus of the Solitary Tract, Oral Biology (M. C. Whitehead and D. L. De Witt), 1 June 1990 through 31 May 1991. (Project 768289 - New)

\$20,000.00 - National Aeronautics and Space Administration, Washington, D.C., Isolation and Characterization of Centrifugation Shock Genes from Spores of the Fern, Onoclea sensibilis, Department of Botany (V. Raghavan), 1 January 1990 through 31 December 1990. (Project 765460 - Continuation)

\$19,868.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Robust Estimation of Regional Deformations and Relative Plate Motions from Robust Estimation, Department of Geodetic Science and Surveying (I. I. Mueller), 1 August 1990 through 31 December 1990. (Project 761054 - Continuation)

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

\$19,012.00 - National Science Foundation, Washington, D.C., Large Cardinals and Forcing, Department of Mathematics (M. Foreman), 1 June 1990 through 31 May 1991. (Project 767407 - Continuation)

\$15,569.00 - National Science Foundation, Washington, D.C., Organized Interests Before the Senate: The Politics of Federal Judicial Nominations, Department of Political Science (G. A. Caldeira), 1 May 1990 through 30 April 1991. (Project 767471 - Continuation)

\$15,172.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Veterinary Medicine Administration (R. A. Wright), 1 April 1990 through 31 March 1991. (Project 762776 - Continuation)

\$15,019.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Nursing Administration (C. A. Anderson), 1 April 1990 through 31 March 1991. (Project 764658 - Continuation)

\$13,604.00 - National Science Foundation, Washington, D.C., Microelectrode and Tracer Studies of the Chambered Nautilus Siphuncle, Department of Zoology (L. Greenwald), 1 April 1990 through 31 March 1991. (Project 768196 - New)

\$10,952.00 - National Science Foundation, Washington, D.C., Optimal Stopping Problems for a Noncommunicating Team, Department of Statistics (P. K. Goel), 15 April 1990 through 31 March 1991. (Project 768231 - New)

\$9,958.00 - Department of Health and Human Services, Bureau of Health Professions, Rockville, Maryland, Traineeships for Students in Graduate Health Administration Programs, Division of Hospital and Health Services Administration (S. F. Loebs), 1 July 1990 through 30 June 1991. (Project 768219 - New)

\$4,500.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Medicine, Office of Minority Affairs (L. G. Morrow), 1 March 1990 through 28 February 1991. (Project 768145 - Continuation)

\$4,350.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effects of Ice Formation on 2-D Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (M. B. Bragg and G. M. Gregorek), 23 April 1990 through 30 June 1990. (Project 762009 - Continuation)

\$4,000.00 - National Science Foundation, Washington, D.C., Predation, Herbivory, and Disturbance: Structuring Forces in the Littoral Zone Community of North Temperate Lakes, Department of Zoology (R. A. Stein), 15 May 1990 through 30 June 1990. (Project 767694 - Continuation)

\$3,156.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Novel Antineoplastic Agents from Higher Plants, College of Pharmacy (J. M. Cassidy and R. W. Doskotch) and Department of Pathology (R. E. Stephens), 1 December 1989 through 30 November 1990. (Project 767168 - Continuation)

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

\$3,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Biological Sciences, Office of Minority Affairs (L. G. Morrow), 1 March 1990 through 28 February 1991. (Project 768148 - Continuation)

\$3,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Dentistry, Office of Minority Affairs (L. G. Morrow), 1 March 1990 through 28 February 1991. (Project 768149 - Continuation)

\$3,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Pharmacy, Office of Minority Affairs (L. G. Morrow), 1 March 1990 through 28 February 1991. (Project 768147 - Continuation)

\$3,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Veterinary Medicine, Office of Minority Affairs (L. G. Morrow), 1 March 1990 through 28 February 1991. (Project 768146 - Continuation)

\$2,000.00 - National Science Foundation, Washington, D.C., Preparation of a  $\pi$ -Allyl Cation, Department of Chemistry (L. A. Paquette), 2 April 1990 through 1 March 1991. (Project 768234 - New)

\$1,540.02 - Department of the Interior, National Park Service, Yellowstone National Park, Wyoming, Local, Regional, and National Coverage of the 1988 Yellowstone-Area Wildfires: Content Analysis and Evaluation, School of Journalism (C. G. Smith), 9 February 1990 through 30 August 1990. (Project 767730 - Continuation)

\$126.00 - Environmental Protection Agency, Chicago, Illinois, Ohio Wastewater Treatment Conference, Cooperative Extension State Operations (K. M. Mancil), 1 October 1989 through 30 September 1990. (Project 767875 - Continuation)

**TOTAL - FEDERAL AWARDS**

**\$ 6,660,439.02**

#### **State of Ohio Research Contracts/Grants**

\$101,305.23 - State of Ohio, Department of Education, Columbus, Ohio, State Superintendent's Task Force for Preparing Special Education Personnel, Education Administration (T. M. Stephens), 1 July 1990 through 30 June 1991. (Project 766265 - Continuation)

\$49,751.00 - State of Ohio, Department of Education, Worthington, Ohio, Ohio's Martin W. Essex School for the Gifted -- 1990, Education Administration (T. M. Stephens) and Department of Educational Services and Research (R. H. Swassing), 1 April 1990 through 31 March 1991. (Project 767443 - Continuation)

July 6, 1990 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$30,710.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Impact of Medication Versus Psychotherapy on Adolescents Who Are Severely Emotionally Disturbed and Incarcerated, Department of Psychology (J. C. Gibbs), 1 April 1990 through 31 December 1990. (Project 768232 - New)

\$7,525.00 - State of Ohio, Ohio Arts Council/Ohio Humanities Council Joint Program in the Arts and Humanities, Columbus, Ohio, The Piano Tradition of Ragtime, Stride, and Early Jazz, School of Music (W. T. McDaniel), 1 January 1990 through 30 October 1990. (Project 768281 - New)

\$990.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Urban Amenities: Quality of Life -- Technical Assistance, Continuing Education Administration (J. L. Kramer), 17 April 1990 through 17 April 1990. (Project 768249 - New)

**TOTAL - STATE OF OHIO AWARDS** **\$ 190,281.23**

**Industrial Research Contracts/Grants**

\$300,000.00 - Mission Research Corporation, Santa Barbara, California, Advanced Radar Cross Section Measurement Range, ElectroScience Laboratory, Department of Electrical Engineering (W. D. Burnside), 1 January 1990 through 1 September 1990. (Project 766973 - Continuation)

\$90,179.00 - Martin Marietta Corporation, Oak Ridge, Tennessee, Pack Cementation Coating of Iron-Base Alloys, Department of Materials Science and Engineering (R. A. Rapp), 1 February 1990 through 30 November 1990. (Project 766509 - Continuation)

\$55,365.00 - ICI Pharmaceuticals Group, Wilmington, Delaware, Influence of Renin System Activity on Left Ventricular Mass in the Hypertensive Rat, Department of Internal Medicine (R. J. Cody), 1 February 1990 through 31 October 1990. (Project 768284 - New)

\$35,000.00 - Pioneer Hi-Bred International, Inc., Johnston, Iowa, Antisera to Maize Viruses and Corn Stunt Spiroplasma, Department of Plant Pathology - OARDC (D. T. Gordon), 1 June 1990 through 30 June 1991. (Project 768270 - New)

\$32,774.00 - United Technologies Sikorsky Aircraft, Stratford, Connecticut, Research Studies in Transmission Error Prediction and Dynamic Analysis of Gear Components, Department of Mechanical Engineering (D. R. Houser), 1 May 1989 through 31 July 1991. (Project 768252 - New)

\$30,616.93 - Mission Research Corporation, Santa Barbara, California, Compact Range System Development, ElectroScience Laboratory, Department of Electrical Engineering (W. D. Burnside), 1 May 1990 through 30 September 1990. (Project 767463 - Continuation)

\$22,996.00 - E. R. Squibb and Sons, Princeton, New Jersey, Evaluation of the Safety and Efficacy of Zofenopril Calcium Therapy in Patients with Chronic Heart Failure, Department of Internal Medicine (C. V. Leier and R. J. Cody), 1 October 1989 through 30 June 1991. (Project 767122 - Continuation)

July 6, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Industrial Research Contracts/Grants (contd)

\$15,000.00 - Monsanto Company, St. Louis, Missouri, Development of Embryogenic Callus and Suspension Cultures of Commercial Soybean Cultivars, Department of Agronomy - OARDC (J. D. Finer), 1 May 1990 through 30 April 1991. (Project 768244 - New)

\$15,000.00 and Personnel Services - Santa Fe Pacific Mining, Inc., Albuquerque, New Mexico, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 May 1990 through 30 April 1991. (Project 766219 - Continuation) (Approximate Dollar Value - \$10,000)

\$14,700.00 - Starkist Seafood Company, Long Beach, California, Characterization of Flavor Profiles of Acceptable and Less Acceptable Canned Tuna During Storage by Isolation, Separation, and Identification, Department of Food Science and Technology (D. B. Min), 1 May 1990 through 31 October 1990. (Project 768267 - New)

\$13,014.00 - Adria Laboratories, Columbus, Ohio, Rifabutin Therapy for the Prevention of Mycobacterium-Avium Complex (MAC) Bacteremia in AIDS Patients with CD4 Counts Less than 200: A Double-Blind, Placebo-Controlled Trial, Department of Internal Medicine (M. F. Para), 20 April 1990 through 19 March 1992. (Project 768218 - New)

\$3,000.00 - Stuart Pharmaceuticals, Wilmington, Delaware, A Multicenter Comparison of Zoladex Depot and Surgical Castration in Metastatic Prostate Carcinoma, Department of Surgery (J. R. Drago), 1 September 1985 through 30 June 1990. (Project 765067 - Continuation)

\$2,300.00 - Edmund Niles Huyck Preserve, Inc., Rensselaerville, New York, A Comparison of Forest Floor Microarthropods and Selected Soil Properties in Four Forest Types at the Edmund Niles Huyck Preserve, Department of Entomology - OARDC and Department of Entomology (J. M. Blair), 1 May 1990 through 31 March 1991. (Project 767421 - Continuation)

Equipment and/or Software - Digital Equipment Corporation, Maynard, Massachusetts, Speech Timing Models in Speech Synthesis by Rule, Department of Linguistics (M. E. Beckman), 12 March 1990 through 11 September 1990. (Project 768273 - New) (Approximate Dollar Value - \$49,159)

Software - GeoVision Systems, Inc., Englewood, Colorado, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 September 1989 through 31 August 1991. (Project 766219 - Continuation) (Approximate Dollar Value - \$72,000)

Personnel Services - The Map Store, Powell, Ohio, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 April 1990 through 31 March 1991. (Project 766219 - Continuation) (Approximate Dollar Value - \$2,500)

TOTAL - INDUSTRIAL AWARDS

\$ 629,944.93

#### Other Non-Federal Research Contracts/Grants

\$1,595,412.00 - Midwest Universities Consortium for International Activities, Inc., Columbus, Ohio, University Agribusiness Partnership Project - Dominican Republic, Office of International Programs in Agriculture (T. G. Arscott and D. O. Hansen), 1 March 1990 through 28 February 1991. (Project 768251 - New)



July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$125,000.00 - The J. Paul Getty Trust, Los Angeles, California, The Ohio Partnership for Visual Arts: Regional Institute for Educators, Department of Art Education (N. MacGregor), 1 July 1990 through 31 March 1991. (Project 766784 - Continuation)

\$111,351.00 - Muscular Dystrophy Association, New York, New York, Clinical Investigation of Duchenne Dystrophy, Department of Neurology (J. R. Mendell), 1 March 1990 through 28 February 1991. (Project 768130 - Continuation)

\$79,075.00 - The West Virginia Joint Commission for Vocational-Technical-Occupational Education, Charleston, West Virginia, Identification and Communication of Learning Outcomes, Center on Education and Training for Employment (R. D. Ryan), 15 May 1990 through 31 August 1990. (Project 768287 - New)

\$78,019.00 - The University of Rochester, Rochester, New York, Parkinson's Study Group, Department of Neurology (G. W. Paulson), 1 April 1990 through 31 March 1991. (Project 766244 - Continuation)

\$62,994.00 - Duke University, Durham, North Carolina, Characterization and Therapy of New Fat-Oxidation Defects, Department of Physiological Chemistry (H. W. Sprecher), 1 April 1990 through 31 March 1991. (Project 767453 - Continuation)

\$55,027.00 - University of North Carolina, Chapel Hill, North Carolina, Clinical Neuropsychiatry and Psycho-Pharmacology, Nisonger Center (S. R. Schroeder and J. Rojahn) and Department of Pediatrics (P. Walson and J. Mulick), 1 December 1989 through 30 November 1990. (Project 768150 - New)

\$50,000.00 - John D. and Catherine T. MacArthur Foundation, Chicago, Illinois, American Defense Annual, Mershon Center for Education (J. Kruzel), 1 July 1990 through 30 June 1991. (Project 768288 - Continuation)

\$48,300.00 - Council for Tobacco Research - U.S.A., Inc., New York, New York, Biological Synergism Between Glucarate and Retinoids, Department of Physiological Chemistry (T. E. Webb), 1 July 1990 through 30 June 1991. (Project 766741 - Continuation)

\$45,297.00 - International Life Sciences Institute, Washington, D.C., Characterizations and Adjustments for the Effects of Dependencies in Risk Assessment, Department of Preventive Medicine (M. L. Moeschberger) and Department of Statistics (J. P. Klein), 1 June 1989 through 31 May 1991. (Project 767607 - Continuation)

\$39,566.00 - Southeastern Poultry and Egg Association, Decatur, Georgia, Molecular Epidemiology of Avian Salmonella enteritidis Infection, Department of Veterinary Preventive Medicine (C. R. Dorn), 1 May 1990 through 30 April 1992. (Project 768237 - New)

\$38,500.00 - American Heart Association, Dallas, Texas, Adrenergic and Glycolytic Control of Adenylate Deaminase, Department of Physiological Chemistry (C. Hohl), 1 July 1990 through 30 June 1991. (Project 768236 - New)

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$32,678.00 - The University of Rochester, Rochester, New York, Natural History of Fascioscapulohumeral Muscular Dystrophy, Department of Neurology (J. R. Mendell), 1 July 1989 through 30 June 1990. (Project 768217 - New)

\$31,000.00 - California Institute of Technology, Pasadena, California, Altimetry Research in Ocean Circulation, Department of Geodetic Science and Surveying (R. H. Rapp), 1 June 1989 through 30 September 1995. (Project 766536 - Continuation)

\$26,138.00 - American Fund for Dental Health, Chicago, Illinois, First International Conference on Smokeless Tobacco, Oral Biology (K. L. Schroeder), 1 July 1990 through 30 June 1991. (Project 768278 - New)

\$25,000.00 - American Cancer Society, New York, New York, Clinical Oncology Career Development Award, Department of Internal Medicine (P. L. Triozzi), 1 July 1990 through 30 June 1991. (Project 768210 - New)

\$23,500.00 - University of Nebraska, Lincoln, Nebraska, National Investigation of Soybean Stress from Defoliating Pests: North Central Region, Department of Entomology - OARDC (R. B. Hammond), 1 June 1990 through 31 May 1992. (Project 768265 - New)

\$22,499.00 - North Central Technical College, Mansfield, Ohio, Developing Self-Directed Work Teams: Responding to Changes in the Manufacturing Workplace, Department of Educational Studies: Humanities, Science, Technological, and Vocational (R. L. Jacobs), 1 February 1990 through 30 June 1991. (Project 768269 - New)

\$19,500.00 - American College of Clinical Pharmacy Research Institute, Kansas City, Missouri, Cardiovascular Therapeutics, College of Pharmacy (J. D. Coyle and C. A. Carnes), 1 July 1990 through 30 June 1991. (Project 768235 - New)

\$17,550.00 - William Marsh Rice University, Houston, Texas, Sinking and Suspended Particulate Matter on the Antarctic Continental Margin, Byrd Polar Research Center (K. C. Jezek and A. L. Reed), 1 January 1990 through 31 December 1990. (Project 768243 - New)

\$17,250.00 - Carnegie Corporation of New York, New York, New York, Bellagio Conference on Use of Drugs and Vaccines in Developing Countries, Department of Internal Medicine (C. M. Kunin), 1 March 1990 through 28 February 1991. (Project 768239 - New)

\$17,000.00 - Committee on Institutional Cooperation, Champaign, Illinois, The Ohio State University FAX over INTERNET Project, Instruction and Research Computer Center (R. S. Dixon), 1 March 1990 through 28 February 1991. (Project 768254 - New)

\$13,775.00 - Martha Holden Jennings Foundation, Cleveland, Ohio, The Science Teaching Partnership Project, Department of Chemistry (M. H. Klapper), 1 July 1990 through 30 June 1991. (Project 768275 - New)

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$13,252.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Central Office for the Developmental Biologics Activities of the Southwest Oncology Group, Department of Internal Medicine (J. J. Rinehart), 1 January 1990 through 30 December 1990. (Project 768263 - Continuation)

\$13,252.00 - Dublin City Schools, Dublin, Ohio, Adapted Physical Education Internship, School of Health, Physical Education, and Recreation (P. Jansma), 1 September 1990 through 30 June 1991. (Project 767746 - Continuation)

\$10,630.00 - Miami University, Oxford, Ohio, Insect Cold-Hardiness and Diapause: Regulatory Relationships, Department of Entomology (D. L. Denlinger), 1 February 1990 through 31 January 1991. (Project 767299 - Continuation)

\$8,692.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, Ohio, Early Childhood Classes, Nisonger Center (S. R. Schroeder and V. L. Reynolds), 1 October 1989 through 31 January 1990. (Project 767544 - Continuation)

\$7,594.51 - Children's Hospital Research Foundation, Columbus, Ohio, Evaluation of Flunarizine as a Treatment for Patients with Partial Seizures, Department of Neurology (M. E. Drake, Jr.), 7 April 1990 through 30 September 1990. (Project 766579 - Continuation)

\$7,500.00 - Anthony Wayne Area Council, Inc., Fort Wayne, Indiana, Establishing a Shade Tree Container Production System: A Feasibility Study, Department of Horticulture - OARDC and Department of Horticulture (W. T. Rhodus) and Department of Horticulture (D. K. Struve), 1 April 1990 through 1 October 1990. (Project 768271 - New)

\$7,329.84 - North Atlantic Treaty Organization, Brussels, Belgium, Collaborative Research Between the U.S.A., West Germany, and France, Department of Physics (K. N. Rao), 1 February 1990 through 31 January 1992. (Project 768242 - New)

\$6,072.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Pathology (R. O'Toole), 1 January 1990 through 31 December 1990. (Project 768261 - Continuation)

\$5,000.00 - The Garden Club of America, New York, New York, A Revision of the Genus Clibadium, Department of Botany (T. F. Stuessy), 1 May 1990 through 30 April 1991. (Project 768276 - New)

\$4,800.00 - Ohio Pork Producers Council, Westerville, Ohio, Water Quality Effects on Nursery Pig Performance, Food Animal Health Research Program - OARDC and Department of Veterinary Preventive Medicine (E. M. Kohler), 1 March 1990 through 1 April 1991. (Project 768260 - New)

\$3,329.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, SWOG Study #8960, Department of Otolaryngology (D. E. Schuller), 1 January 1990 through 31 December 1990. (Project 766915 - Continuation)

July 6, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Other Non-Federal Research Contracts/Grants (contd)

\$3,076.00 - U.S.-Spain Joint Committee for Cultural and Educational Cooperation, Madrid, Spain, Spain and the Comparative National Election Project, Department of Political Science (R. P. Gunther and B. M. Richardson), 1 June 1990 through 31 May 1991. (Project 768255 - New)

\$2,937.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 January 1990 through 31 December 1990. (Project 768262 - Continuation)

\$2,500.00 - Ohio Pork Producers Council, Westerville, Ohio, Predicting Sow Performance Levels from Plasma IGF-1 Concentration, Department of Animal Science - OARDC and Department of Animal Science (G. A. Isler and M. E. White), 1 March 1990 through 1 April 1991. (Project 768259 - New)

\$1,800.00 - Nature Conservancy, Columbus, Ohio, Development of a Plan to Preserve the Big Darby Creek Watershed, Department of City and Regional Planning (S. I. Gordon) and Department of Landscape Architecture (J. W. Simpson), 1 April 1990 through 30 June 1990. (Project 767289 - Continuation)

\$500.00 - Arizona Conservation Projects, Inc., Tucson, Arizona, Survey of the Invertebrate Cave Fauna of Karchner Caverns, Arizona, Department of Entomology (D. E. Johnston and W. C. Welbourn), 1 May 1990 through 30 June 1990. (Project 767465 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 2,672,695.35

### ENGINEERING EXPERIMENT STATION

#### State Sponsored Research and Development

\$522.00 - from the Ohio Department of Transportation, Columbus, Ohio, for "Orientation Course for ODOT Summer Employment, 1990," under the direction of the department of Civil Engineering for the period March 26, 1990 through June 30, 1990. (529844, Ext. 1)

#### Industry and Other Sponsored Research and Development

\$121,000.00 - from EPRI, Palo Alto, California, for "Modeling of Electromagnetic Fields in Substations," under the direction of the department of Electrical Engineering for the period August 1, 1988 through December 31, 1990. (529770, Ext. 2)

\$75,000.00 - from various industry for memberships in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$75,000.00 - from GE Reco Trailer MD, Cincinnati, Ohio, for "One-Twelfth Scale Ejector-Powered Simulator for the GE90 Engine," under the direction of the department of Aeronautical and Astronautical Engineering for the period November 15, 1989 through December 30, 1990. (312524, Ext. 2)

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **ENGINEERING EXPERIMENT STATION (contd)**

#### **Industry and Other Sponsored Research and Development (contd)**

\$50,759.00 - from McDonnell Douglas Corp., St. Louis, Missouri, for "Analysis of Electromagnetic Scattering from Electrically Large Ducts/Cavities," under the direction of the department of Electrical Engineering for the period October 27, 1987 through February 28, 1991. (312436, Ext. 4)

\$42,891.00 - from Global Thermionics, Xenia, Ohio, for "Refinement of the Design of the VAXI-COOL," under the direction of the Engineering Experiment Station, for the period February 1, 1990 through January 31, 1991. (529848)

\$39,976.00 - from McDonnell Douglas Corp., St. Louis, Missouri, for "Uniform Theory of Diffraction Analysis of Electromagnetic Scattering from Corners and Vertices," under the direction of the department of Electrical Engineering for the period April 1, 1990 through December 31, 1990. (312539)

\$30,000.00 - from various industry for associate membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$24,000.00 - from NCR Corporation, Cambridge, Ohio, for "Flow Analysis and Design of a Plastic Part," under the direction of the department of Mechanical Engineering for the period August 1, 1989 through February 28, 1991. (529820, Ext. 1)

\$20,065.00 - from Dove Electronics, Inc., Rome, New York, for "Optical System Development," under the direction of the department of Electrical Engineering for the period May 1, 1990 through November 1, 1990. (312538)

\$9,300.00 - from 12 sponsors of 17 development projects in one research area of the College of Engineering.

\$4,000.00 - from various industry for affiliate memberships in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

**TOTAL - INDUSTRY AND OTHER SPONSORED RESEARCH** **\$ 492,513.00**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

#### **Establishment of Named Funds**

##### **The Helen L. Kurtz Chair in Chemical Engineering Fund**

The Helen L. Kurtz Chair in Chemical Engineering Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University from Helen L. Kurtz of Choshocton, Ohio and Tampa, Florida.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Helen L. Kurtz Chair in Chemical Engineering Fund (contd)**

The annual income and additional gifts shall be added to the fund's principal until the minimum amount for funding an endowed chair (\$1,250,000) has been reached. At that time, the annual income shall be used to attract and retain an internationally recognized scholar in the field of chemical engineering. This support shall provide supplemental salary, plus expenses for research, for professional travel and for graduate and undergraduate student assistants. Appointment to the chair shall be recommended by the Dean of the College of Engineering to the Provost and approved by The Ohio State University Board of Trustees.

The scholar who accepts this coveted position will do so knowing the following expectations:

- \*Responsibility for teaching at least one doctoral level course per year;
- \*Advisory service for doctoral dissertations, masters theses and other research projects by superior students;
- \*Participation in colloquia and workshops with appropriate faculty;
- \*Provide intellectual leadership through publishing in scholarly journals, participating in professional meetings, presenting public lectures, and giving testimony before public bodies;
- \*Exemption from any substantial commitment to faculty, college or university service, committee or administrative work.

Moreover, the Helen L. Kurtz Chair holder will understand and appreciate the special relationship this position has to the Ralph W. Kurtz Chair in Mechanical Engineering. Both distinguished faculty members will be dedicated to advancing their respective areas of engineering. Both will do so though with close interaction between the two programs. The resulting synergy will benefit each effort and symbolize the mutually beneficial marriage of Ralph and Helen Kurtz.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer, in order to carry out the desire of the donor.

- \* Note - the donor has requested no publicity in regard to the establishment of this fund.

##### **The Ralph W. Kurtz Chair in Mechanical Engineering Fund**

The Ralph W. Kurtz Chair in Mechanical Engineering Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Ralph W. Kurtz (B.M.E. '23) of Coshocton, Ohio and Tampa, Florida.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Ralph W. Kurtz Chair in Mechanical Engineering Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income and additional gifts shall be added to the fund's principal until the minimum amount for funding an endowed chair (\$1,250,000) has been reached. At that time, the annual income shall be used to attract and retain an internationally recognized scholar in the field of mechanical engineering. This support will provide supplemental salary, plus expenses for research, for professional travel and for graduate and undergraduate student assistants. Appointment to the chair will be recommended by the Dean of the College of Engineering to the Provost and approved by The Ohio State University Board of Trustees.

The scholar who accepts this coveted position will do so knowing the following expectations:

- \*Responsibility for teaching at least one doctoral level course per year;

- \*Advisory service for doctoral dissertations, masters theses and other research projects by superior students;

- \*Participation in colloquia and workshops with appropriate faculty;

- \*Provide intellectual leadership through publishing in scholarly journals, participating in professional meetings, presenting public lectures and giving testimony before public bodies;

- \*Exemption from any substantial commitment to faculty, college or university service, committee or administrative work.

Moreover, the Ralph W. Kurtz Chair holder will understand and appreciate the special relationship this position has to the Helen L. Kurtz Chair in Chemical Engineering. Both distinguished faculty members will be dedicated to advancing their respective areas of engineering. Both will do so, though with close interaction between the two programs. The resulting synergy will benefit each effort and symbolize the mutually beneficial marriage of Ralph and Helen Kurtz.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer, in order to carry out the desire of the donor.

\* Note - the donor has requested no publicity in regard to the establishment of this fund.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Columbus Chapter of Links, Inc. Scholarship Fund**

The Columbus Chapter of Links, Inc. Scholarship Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from The Columbus Chapter of Links, Inc.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships for Black students graduating from Columbus Public Schools. Students will be selected upon the recommendation of the Vice Provost for Minority Affairs, in consultation with the Columbus Chapter of Links, Inc., and the University Committee on Student Financial Aid. Ideally, a student would be supported from their freshman year in college and would be funded to the completion of their baccalaureate degree. Students will be selected in their senior year in high school and will be continued for not more than a 5-year period -- provided that satisfactory academic performance is maintained. Scholarships will be awarded to students who have earned a GPA of 3.0 or better in the College Preparatory Curriculum. Scholarships will also be awarded on the basis of need. After a student earns the baccalaureate degree, a new Links Scholar shall be selected. The Office of Minority Affairs will provide periodic reports to the Columbus Chapter of Links, Inc., concerning the Endowment Account and the scholar(s) selected.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Herbert F. Baas Memorial Award in Agricultural Engineering**

The Herbert F. Baas Memorial Award in Agricultural Engineering was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Inland Products, Inc., of Columbus, Ohio, and Mr. and Mrs. Gary H. Baas and family.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.



July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Herbert F. Baas Memorial Award in Agricultural Engineering (contd)**

The annual income shall be used to provide one or more awards for research and the study of contemporary problems and developments as they relate to the rendering and animal by-products industries. The income may be used to support one or more students who have interest in addressing the problems and opportunities in the above related area; or it may be used to provide other types of support. The determination of the type of support will be made by the Department of Agricultural Engineering, after consulting with the representative(s) of the donors. The administration of the award shall follow the Department of Agricultural Engineering pattern of administration document.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### **The Aldrich Syverson Scholarship Fund**

The Aldrich Syverson Scholarship Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from family and friends in memory of Dr. Aldrich Syverson, Professor Emeritus of Chemical Engineering.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships to undergraduate chemical engineering students. Students receiving scholarships shall be selected on the basis of academic, professional and personal achievement. Recipients shall be selected by the Chairperson of the Department of Chemical Engineering or by a committee of Department of Chemical Engineering faculty to which this responsibility has been delegated, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Eli And Sharon Barnes Endowment Fund**

The Eli and Sharon Barnes Endowment Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Zelma E. and Sharon Ann Barnes of Worthington, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used as a discretionary fund for the Department of Black Studies.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### **The Eli E. Rose Endowment Fund**

The Eli E. Rose Endowment Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Eli E. Rose (B.S.Bus.Admn. '26 ) of Cleveland, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be added to the fund's principal until the demise of Eli Rose. At that time the fund shall be supplemented by a distribution from the Eli E. Rose Trust Fund. Following this additional gift, the annual income shall be used to provide funds for the Dean of the College of Business to be used at his/her discretion for areas of greatest need within the College.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Lois and Ethel Leuchtag Nursing Scholarship Fund**

The Lois and Ethel Leuchtag Nursing Scholarship Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Harry H. Leuchtag (B.A '28, M.D. '32) of Akron, Ohio in honor of his wife, Lois and mother, Ethel.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Lois and Ethel Leuchtag Nursing Scholarship Fund (contd)**

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to encourage individuals to pursue a career in nursing. The fund may be used at the discretion of the Dean of the College of Nursing to recruit qualified students to the applicant pool or to provide scholarships for needy individuals currently enrolled in the College of Nursing. Scholarship recipients shall be chosen in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Provico Big-H OARDC Faculty Research Awards Fund**

The Provico Big-H OARDC Faculty Research Awards Fund was established July 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Provico, Inc., a large Ohio feed manufacturer serving seven states from their eleven branches and the headquarters office in Botkins, Ohio, and Bill Gauntt, longtime employee of Provico.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to recognize Ohio Agricultural Research and Development Center scientists who have made an outstanding contribution in the advancement of agriculture or an agricultural-related science and technology. The guiding philosophy in evaluation of nominees will be their nationally and internationally recognized contributions while an OARDC faculty member in basic applied and developmental research activities, and/or conceptual contributions to their respective disciplines. Nominees will be evaluated by an OARDC Awards Committee which shall include one employee from Provico, Inc., and six faculty members appointed by the Director of OARDC.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Change in Name and Description of Named Fund**

##### **The William Lloyd and Cora Roberts Evans Fellowship**

The William Lloyd Evans Fellowship Fund was established January 3, 1944, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from family and friends in memory of William Lloyd Evans (B.S. 1892, M.S. 1896, and Honorary Doctor of Letters 1948), Professor of Chemistry and Chairperson of the Department of Chemistry 1928-1941. The name was changed July 6, 1990, in memory of Cora Roberts Evans (B.A. '06 Arts & Sciences), wife of William Lloyd Evans.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support a graduate fellowship in organic chemistry. Selection of the recipient shall be made by a Chemistry Department Committee, the Chairperson of the Chemistry Department and the Dean of the College of Mathematical and Physical Sciences.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson or program administrative officer in order to carry out the desire of the donors.

#### **Change in Description of Named Funds**

##### **The Hazael Edward Weldon Endowment Fund**

The Hazael Edward Weldon Endowment Fund was established May 4, 1989, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Hazael Edward Weldon (B.S. Optometry '38) of Cleveland, Ohio. The description was revised July 6, 1990.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide scholarship awards to Black and Hispanic students enrolled in the College of Optometry, with first preference to Ohio residents. Scholarship awards shall be based on academic merit and/or financial need at the discretion of the Dean of the College of Optometry, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Change in Description of Named Funds (contd)**

##### **Richland County Ohio State University Alumni Club The Ohio State University at Mansfield Scholarship Endowment Fund**

The Richland County Ohio State University Alumni Club The Ohio State University at Mansfield Scholarship Endowment Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Richland County Ohio State University Alumni Club. The description was revised July 6, 1990.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be added to the fund's principal until such time as the principal reaches \$140,000. Thereafter, a minimum of 95% of the annual income shall be distributed to scholarship recipients qualified under the criteria established, with no scholarship recipient receiving less than 50% of the amount of the tuition, at the time of the award, for a full academic year.

The purpose of the Richland County Alumni Club Scholarship is to recognize academic ability and outstanding leadership in a student(s) who will begin his/her college experience at The Ohio State University at Mansfield. The guidelines to be used in determining the recipient of the award are as follows:

1. This award is to recognize ability, achievement, and leadership qualities without regard for financial need.
2. Selection preference will be given to a current year high school senior, residing in Richland county, who will attend Autumn Quarter at The Ohio State University at Mansfield.
3. The recipient will rank in the upper 25% of the graduating class (preferably the upper 10%); have above average ACT or SAT scores; and have demonstrated significant leadership qualities through school activities and/or community involvement.
4. The amount of this award shall equal one-half the amount of a full year -- three quarters - full tuition budget. The award amount may be increased up to full tuition, as the growth of the endowment fund permits.
5. This three quarter scholarship will become renewable at that point when the growth of the fund can sustain renewable scholarship. The criteria for renewal shall be that the recipient:
  - a. Maintains his/her enrollment at Ohio State Mansfield and
  - b. Has a cumulative grade point average of 2.5 or better and has maintained satisfactory progress toward a degree

July 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Change in Description of Named Funds (contd)**

##### **Richland County Ohio State University Alumni Club The Ohio State University at Mansfield Scholarship Endowment Fund (contd)**

6. If the student leaves Ohio State Mansfield within an academic year, the unused portion of the award will revert to the Richland County Alumni Scholarship Fund.
7. The appropriate authorities at The Ohio State University at Mansfield, in consultation with the University Committee on Student Financial Aid and the Richland County Alumni Club, will select the recipient for this award from a candidate pool identified by the Richland County Ohio State University Alumni Club.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

### **THE OHIO STATE UNIVERSITY FOUNDATION**

#### **Approval of Description and Establishment of Fund**

##### **The Luther M. Keith Professorship in Surgery**

The Luther M. Keith Professorship in Surgery was established July 6, 1990, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation which has established an endowed fund from the family of Dr. Luther M. Keith, including Helen Q. Keith, Laurie Keith Walker and Leighton M. Keith.

Income provided by the Foundation shall be used to provide support for the work of a distinguished scholar in the Department of Surgery of the College of Medicine of The Ohio State University. Appointment to the Keith Professorship is to be recommended to the Provost by the Dean of the College of Medicine after consultation with the Chairperson of the Department of Surgery.

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#### **Employment of Architects/Engineers and Request for Construction Bids**

##### Background

##### Mansfield Campus - HVAC and Electrical Rehabilitation

This project will improve heating, ventilating and air conditioning in Ovalwood, Bromfield, Fallenius, and Eisenhower Halls through the replacement of the HVAC motors with variable drive motors, modification to the duct systems, installation of Direct Digital Controls, improvements to water pipe insulation, and replacement of light fixtures in Ovalwood Hall.

July 6, 1990 meeting, Board of Trustees

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Background (contd)

Mansfield Campus - HVAC and Electrical Rehabilitation (contd)

The existing HVAC system in Ovalwood and Bromfield Halls is 25 years old, suffers frequent breakdowns, and is inefficient in distributing air in the classrooms and offices. In Fallerius, three independent systems function with inadequate coordination, resulting in hot and cold spots and much wasted energy. In Eisenhower Hall, the boiler steam recovery components are worn and leaking.

Funds for this project are available from an Ohio Department of Development grant and from House Bill 808. Construction costs for the project are estimated at \$300,000.00, and the total estimated project cost is \$366,727.00.

(See Appendix IV for map, page 147.)

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-8

**MANSFIELD CAMPUS - HVAC AND ELECTRICAL REHABILITATION**

Synopsis: The Fiscal Affairs Committee recommended authorization to employ architects/engineers and request construction bids for the Mansfield Campus - HVAC and Electrical Rehabilitation project.

WHEREAS this project will improve heating, ventilating and air conditioning in Ovalwood, Bromfield, Fallerius, and Eisenhower Halls through the replacement of the HVAC motors with variable drive motors, modification to the duct systems, installation of Direct Digital Controls, improvements to water pipe insulation, and replacement of light fixtures in Ovalwood Hall; and

WHEREAS the total estimated cost of this project is \$366,727.00, with the estimated construction cost being \$300,000.00, and with funding provided from an Ohio Department of Development grant (\$162,727.00) and House Bill 808 (\$204,000.00):

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for this project and that the fees for these services be negotiated between the firm selected and the University; and

BE IT FURTHER RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend the award of contracts to the Department of Administrative Services, Division of Public Works, with all actions to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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July 6, 1990 meeting, Board of Trustees

**Report of Award of Contracts and  
Establishment of Contingency Funds**

Background

(See Appendix V for a complete tabulation of bids on all projects and locator maps, page 149.)

**KOTTMAN HALL - BIOTECHNOLOGY CENTER IMPROVEMENTS AND  
UNIVERSITY HOSPITALS EMERGENCY DEPARTMENT MASTER PLAN -  
PHASE I, HOLDING AREA AND HYPERBARIC OXYGEN THERAPY**

Kottman Hall - Biotechnology Center Improvements

This project will provide research and support facilities for work with plants and plant tissues for those faculty located in Kottman Hall. Included in the project is construction of a greenhouse facility with up to six separate compartments at the south end of the existing Kottman Hall Greenhouse; remodeling of Kottman Hall room 349 to house a tissue culture laboratory; and installation of five new growth chambers in Kottman Hall room 150.

The research work involves use of a variety of plants and will focus on controlling environmental variables of light, heat, moisture, air movements, dust, bedding materials, and treatments to study the effects on plant tissue and structure over time.

The total project cost is \$480,000.00; funding is provided from a National Science Foundation Grant. The estimated completion date is January 1991. The contracts awarded are as follows:

General Contract:                      Functional Development, Dublin, Ohio

Amount:                                  \$169,650.00

Estimate:                                \$176,416.00

Plumbing Contract:                   C. R. Legner, Columbus, Ohio

Amount:                                \$ 22,387.00

Estimate:                                \$ 38,000.00

HVAC Contract:                        Swain Mechanical, Hilliard, Ohio

Amount:                                \$ 37,780.00

Estimate:                                \$ 38,800.00

Electric Contract:                      Claggett Electric, Columbus, Ohio

Amount:                                \$ 53,310.00 +

Estimate:                                \$ 37,550.00

+The Electric contract is in excess of the filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.



July 6, 1990 meeting, Board of Trustees

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Kottman Hall - Biotechnology Center Improvements (contd)

Total All Contracts:	\$283,127.00
Contingency Allowance:	\$ 27,099.33 (9.5% of construction cost)
Total Project Cost:	\$480,000.00

University Hospitals Emergency Department Master Plan - Phase I, Holding Area and Hyperbaric Oxygen Therapy

This project is for redesign of the University Hospitals Emergency Department to create new patient handling systems which will separate the emergency or trauma patients from the non-emergency or urgent care patients. Phase I is a part of the non-emergency area and will include renovation of 2,408 gross square feet for CAT scan, a Hyperbaric Oxygen Treatment area and a patient waiting area, and support spaces.

The total project cost for Phase I is \$289,760.00; funding is provided from University Hospitals. The estimated completion date is April 1991. The contracts awarded are as follows:

General Contract:	Ed Ross, Westerville, Ohio
Amount:	\$ 52,290.00
Estimate:	\$ 69,000.00
Mechanical Contract:	Farber Corp., Columbus, Ohio
Amount:	\$116,200.00
Estimate:	\$137,000.00
Electric Contract:	Advantage Electric, Columbus, Ohio
Amount:	\$ 50,976.00
Estimate:	\$ 37,500.00
Total All Contracts:	\$219,466.00
Contingency Allowance:	\$ 36,745.70 (16% of construction cost)
Total Project Cost:	\$289,760.00

July 6, 1990 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 91-9

**KOTTMAN HALL - BIOTECHNOLOGY CENTER IMPROVEMENTS AND  
UNIVERSITY HOSPITALS EMERGENCY DEPARTMENT MASTER PLAN -  
PHASE I, HOLDING AREA AND HYPERBARIC OXYGEN THERAPY**

Synopsis: The Fiscal Affairs Committee recommended the Report of Award of Contracts and the Establishment of Contingency Funds for the Kottman Hall - Biotechnology Center Improvements and University Hospitals Emergency Department Master Plan - Phase I, Holding Area and Hyperbaric Oxygen Therapy projects.

WHEREAS resolutions adopted by the Board of Trustees on June 2, 1989 and May 3, 1990, authorized the President and/or Vice President for Business and Administration to request bids in accordance with established University procedures, and if satisfactory bids were received, to award contracts for the following projects: Kottman Hall - Biotechnology Center Improvements and University Hospitals Emergency Department Master Plan - Phase I, Holding Area and Hyperbaric Oxygen Therapy:

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by this Board and upon the recommendation of the Fiscal Affairs Committee, the Report of Award of Contracts and Establishment of Contingency Funds for the Kottman Hall - Biotechnology Center Improvements and University Hospitals Emergency Department Master Plan - Phase I, Holding Area and Hyperbaric Oxygen Therapy projects is hereby accepted.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT  
COLUMBUS SOUTHERN POWER COMPANY**

Resolution No. 91-10

Synopsis: The Fiscal Affairs Committee recommended the approval to renew an easement at 2151 Neil Avenue in Columbus, Ohio.

WHEREAS in 1975 The Ohio State University granted to the Columbus Southern Power Company a 15-year easement for an anchor wire approximately 15 feet in length for the installation of an anchor to provide electric service at the North Campus Recreational Facility located at 2151 Neil Avenue; and

WHEREAS this easement will expire on August 1, 1990, and Columbus Southern Power has requested a renewal for a 15-year period; and

WHEREAS the electric service will serve University property; and

July 6, 1990 meeting, Board of Trustees

**EASEMENT  
COLUMBUS SOUTHERN POWER COMPANY (contd)**

WHEREAS the appropriate University offices have recommended the approval of this easement:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for this easement.

Upon motion of Amb. Wolf, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix VI for map, page 155.)

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**EASEMENT  
COLUMBUS SOUTHERN POWER COMPANY**

Resolution No. 91-11

Synopsis: The Fiscal Affairs Committee recommended the approval to renew an easement at King Avenue and Cannon Drive in Columbus, Ohio.

WHEREAS in 1975 The Ohio State University granted to the Columbus Southern Power Company a 15-year easement consisting of a strip of land approximately ten feet in width and approximately 155 feet in length to supply electric service to the Franklin County Morgue at King Avenue and Cannon Drive; and

WHEREAS this easement will expire on August 1, 1990, and Columbus Southern Power has requested a renewal for a 15-year period; and

WHEREAS the electric service will serve University property; and

WHEREAS the appropriate University offices have recommended the approval of this easement:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act for and on behalf of the University in developing the necessary legal instruments to provide for this easement.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix VII for map, page 157.)

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July 6, 1990 meeting, Board of Trustees

**COMPLIANCE WITH REGULATIONS OF THE  
OHIO PUBLIC FACILITIES COMMISSION**

Resolution No. 91-12

**Synopsis:** The Fiscal Affairs Committee recommended authorization for the designated officials to ensure compliance with regulations of the Ohio Public Facilities Commission.

WHEREAS pursuant to Chapter 154 of the Revised Code and the regulations of the Ohio Public Facilities Commission, each State Institution of higher education, to which funds are appropriated in Substitute House Bill 808 enacted by the 118th General Assembly, is required to authorize a designated official to sign and submit to the Ohio Public Facilities Commission documentation required with respect to the individual projects for which funds are appropriated; and

WHEREAS in submitting this documentation each institution is required to permit the Commission to use designated institutional sites for the purpose of these projects and to agree to undertake the performance of the functions and responsibilities of a using governmental agency as provided in the Commission's regulations with respect to such projects:

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to complete, sign and submit to the Ohio Public Facilities Commission documentation required by the Commission for any or all of the projects for The Ohio State University provided for or pursuant to the appropriations made under Section 12 of Substitute House Bill 808 enacted by the 118th General Assembly; and

BE IT FURTHER RESOLVED, That this Board agrees to permit the Ohio Public Facilities Commission to use designated University sites for the purpose of such projects, the boundaries of which will be shown in the plans for such projects, for so long as the respective notes, if any, and bonds issued to finance the project shall be outstanding; and

BE IT FURTHER RESOLVED, That this Board agrees to undertake performance of the functions and responsibilities of a using governmental agency and of a designated governmental agency to the extent it is such as provided in the regulations of the Ohio Public Facilities Commission and any applicable leases, agreements or rules of the Commission with respect to such projects.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PROPOSED SALE OF PROPERTY**

Resolution No. 91-13

WHEREAS in 1973 pursuant to action of this Board, residential property located at 285 Croswell Road, Columbus, Ohio, was purchased in Trust by the Board of Trustees with title taken in the name of the Board of Trustees of The Ohio State University; and

WHEREAS the residence at Croswell is no longer sufficient to meet the needs of the University, it is now deemed desirable to sell such property:

July 6, 1990 meeting, Board of Trustees

### **PROPOSED SALE OF PROPERTY (contd)**

#### **NOW THEREFORE**

BE IT RESOLVED, That the Secretary of this Board, be and he hereby is authorized, in consultation with, and with the assistance of, the University's Acting Vice President for Business and Administration and its legal counsel, to enter into a contract for the sale of the property and to consummate the sale pursuant thereto, executing or having executed any documents necessary, incidental and desirable to complete the transaction; the net proceeds of the sale to be deposited in the unrestricted funds of the University's Endowment Fund for the University's use and benefit as the Board of Trustees may subsequently decide.

Upon motion of Mr. Teaford, seconded by Amb. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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### **LETTER OF APPOINTMENT**

Resolution No. 91-14

RESOLVED, That the Chairperson be and she hereby is authorized to send to President-elect Gee the Letter of Appointment in the form attached hereto.

Upon motion of Mrs. Bowser, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix VIII for Letter of Appointment, page 159.)

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### **EXPRESSION OF APPRECIATION**

Resolution No. 91-15

WHEREAS Weldon E. Ihrig has served this University in numerous capacities, beginning in 1965 as an Assistant Registrar in the Office of the University Registrar; and

WHEREAS from 1974-1981 he served as Assistant Vice President for Business and Administration with responsibility for providing general management, budgeting and planning support for the University's business functions; and

WHEREAS in 1981 he was promoted to the position of University Fiscal Officer and subsequently received the title designation of Vice President for Finance with reporting responsibility for the following functioning areas: Treasurer's Office, Controller's Office, Budget Planning, Campus Planning, and Management Studies; and

WHEREAS Weldon Ihrig's long-term service as an administrative officer of the University has been sustained, progressive and exceptionally productive during a period of dynamic change, growth, and institutional recognition; and

WHEREAS Weldon E. Ihrig has announced his intention to retire from The Ohio State University on August 31, 1990, in order to assume the position of Vice Chancellor of Finance and Administration for the Oregon State System of Higher Education:

July 6, 1990 meeting, Board of Trustees

### **EXPRESSION OF APPRECIATION (contd)**

#### **NOW THEREFORE**

BE IT RESOLVED, that this Board, in recognition of Weldon E. Ihrig's dedicated service and noteworthy contributions to The Ohio State University during the past twenty-five years, expresses its sincere appreciation for a job well done; and

BE IT FURTHER RESOLVED, That the Board extends to Weldon and his wife, Susan, all best wishes for good health, success, and happiness in the future.

Upon motion of Mr. Teaford, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Mrs. Bowser:

Weldon, I, too, add my congratulations to you and thanks for the job that you have done for us. We will really miss you.

Mr. Ihrig:

The feeling is mutual. I have really enjoyed the relationship with this Board, with every one of you and you have helped me grow. The only trouble with this type of resolution is that it tends to give away the aging process. Now, I have a real opportunity to be a true alum of Ohio State University and I will be able to look over your shoulders at a different advantage point. I wish you all well in the future of this great University. Thank you, again, for the opportunity.

Mrs. Bowser:

I would like to say, too, that this is the last meeting that we will have Ed Jennings at the head of the table. As long as I've been a Trustee, Ed has been the President of this University and he is leaving us with our best wishes as he returns to the faculty. We wish you well and we hope you will join us from time to time.

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### **Request for Construction Bids**

#### **Background**

#### **University Airport Renovation - 1989**

This project will relocate fencing that has become an obstruction in runway clear zones and will replace sections of the old farm fence with new six-foot chain-link fencing.

Funds for this project are available from a Federal Aviation Administration grant (90%) and University funds (10%). Construction costs for the project are estimated at \$135,000.00, and the total estimated project cost is \$150,000.00.

(See Appendix IX for map, page 163.)

July 6, 1990 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-16

**UNIVERSITY AIRPORT RENOVATION - 1989**

Synopsis: The Fiscal Affairs Committee recommended authorization to request construction bids for the University Airport Renovation - 1989 project.

WHEREAS the University Airport Renovation 1989 project will relocate fencing that has become an obstruction in runway clear zones and replace sections of the old farm fence with new six-foot chain-link fencing; and

WHEREAS the total estimated cost of this project is \$150,000.00, with the estimated construction cost being \$135,000.00, and with funding provided from a Federal Aviation Administration grant and University funds:

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to award contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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Thereupon the Board adjourned to meet Friday, September 7, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Attest:

Madison H. Scott  
Secretary

Shirley D. Bowser  
Chairperson

Page 112 Blank



**APPENDIX I**

**THE OHIO STATE UNIVERSITY ENDOWMENT SUMMARY**  
**June 15, 1990**

**Presented to the Investments Committee and  
Adopted by the Board of Trustees July 6, 1990  
(See page 4)**

# **THE OHIO STATE UNIVERSITY**

## **ENDOWMENT FUND**

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### **ENDOWMENT SUMMARY**

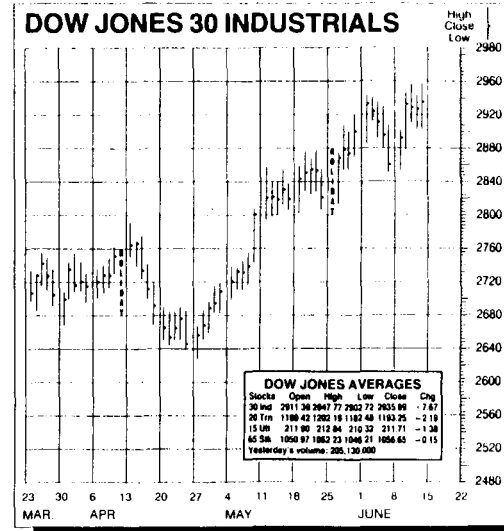
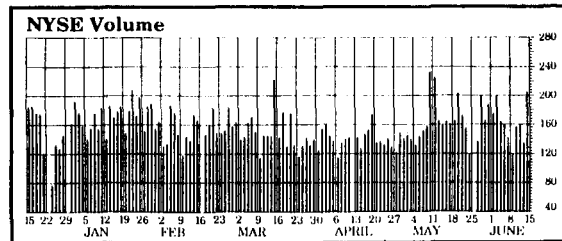
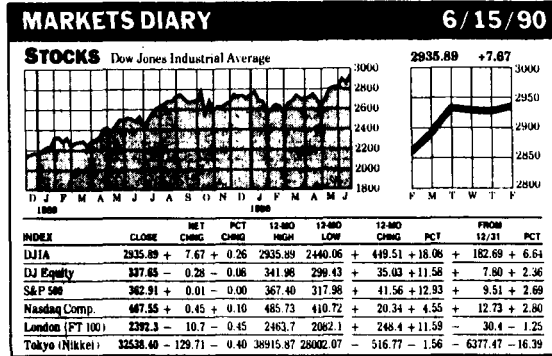
**June 15, 1990**

**Office of the Treasurer**



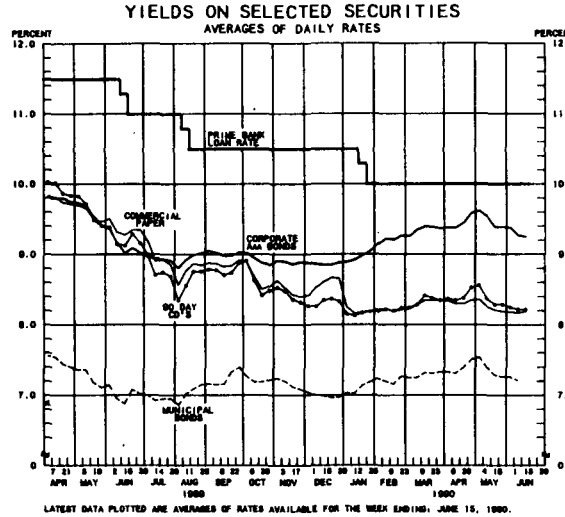
# The Ohio State University Endowment Fund

## Equity Market Information



# The Ohio State University Endowment Fund

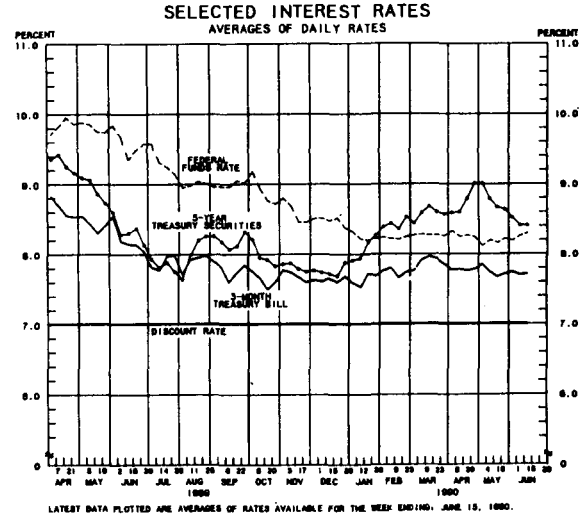
## Selected Yield and Interest Rates



1980	90-DAY T-BILLS	30-DAY COMMERCIAL PAPER	90-DAY TREASURY ACCEPTANCES	CORPORATE AAA BONDS	CORPORATE AA BONDS	MUNICIPAL BONDS
APR. 8	8.37	8.34	8.17	8.38	10.22	7.53
13	8.35	8.30	8.14	8.38	10.18	7.51
20	8.34	8.30	8.14	8.45	10.18	7.50
27	8.33	8.30	8.13	8.50	10.45	7.81
MAY 4	8.36	8.29	8.13	8.52	10.34	7.54
11	8.37	8.28	8.13	8.52	10.40	7.50
18	8.29	8.21	8.08	8.50	10.30	7.70
25	8.29	8.19	8.08	8.30	10.34	7.70
JUNE 1	8.25	8.18	8.01	8.30	10.20	7.28
8	8.22	8.17	7.98	8.27	10.21	7.21
15	8.22	8.19	7.98	8.25	10.21	N.A.
22						
29						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' N-15 RELEASE.  
 S AVERAGE OF RATES AVAILABLE FOR THE WEEK ENDING JUNE 15, 1980.  
 SEE BOARD GOVERNORS' AVERAGE TABLES OF 20 MUNICIPAL BONDS, THURSDAY DATA  
 N.A. - NOT AVAILABLE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS



1980	FEDERAL FUNDS RATE	3-MONTH TREASURY BILL	6-MONTH TREASURY BILL	1-YEAR TREASURY BILL	5-YEAR TREASURY SECURITIES	LONG-TERM TREASURY SECURITIES
APR. 8	8.33	7.77	7.81	7.71	8.50	8.72
15	8.25	7.78	7.80	7.70	8.50	8.72
20	8.27	7.78	7.75	7.61	8.50	8.64
27	8.24	7.78	7.81	7.64	8.50	8.64
MAY 4	8.12	7.68	7.75	7.64	8.50	8.64
11	8.20	7.70	7.73	7.64	8.50	8.64
18	8.19	7.69	7.69	7.64	8.50	8.64
25	8.22	7.97	7.79	7.64	8.50	8.64
JUNE 1	8.19	7.74	7.74	7.61	8.50	8.64
8	8.20	7.70	7.82	7.61	8.50	8.64
15	8.30	7.71	7.84	7.51	8.50	8.67
22						
29						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' N-15 RELEASE (EXCLUDING LONG-TERM TREASURY  
 SECURITIES). OTHER DATA COMPUTED BY THIS BANK. TREASURY BILL YIELDS ARE ON A DISCOUNT BASIS.  
 S AVERAGE OF RATES AVAILABLE FOR THE WEEK ENDING JUNE 15, 1980.  
 SEE BOARD GOVERNORS' AVERAGE TABLES OF 20 MUNICIPAL BONDS, THURSDAY DATA  
 N.A. - NOT AVAILABLE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

# THE OHIO STATE UNIVERSITY

## Portfolio Summary

	<u>6/15/90</u>	<u>6/30/89</u>
Unallocated Cash	\$893,387	\$57,014,059
Equities:		
Chicago	38,944,043	34,629,320
R. Meeder (1)	13,250,839	0
Neuberger & Berman	14,374,255	13,552,018
Nicholas Applegate	15,605,241	11,475,663
Siebel	36,516,620	32,173,227
University Managed	33,779,864	29,154,054
University Students (2)	5,609,131	0
Wells Fargo EAFE (3)	8,989,183	0
Wells Fargo S&P 500 (4)	31,190,705	0
Total Equities	<u>198,259,881</u>	<u>120,984,282</u>
Fixed Income:		
Boatmen's Trust	23,266,391	23,841,580
Cambridge	924,127	951,048
Duff & Phelps	10,131,027	10,243,208
WR Lazard (5)	9,872,622	0
STW Fixed Income	23,341,985	24,150,270
University GNMA	10,079,698	10,144,887
University Managed	244,375	465,211
Total Fixed Income	<u>77,860,225</u>	<u>69,796,204</u>
Real Estate	<u>43,965,631</u>	<u>39,503,844</u>
Total Portfolio	<u>\$320,979,124</u>	<u>\$287,298,389</u>

<u>Asset Allocation</u>	<u>6/15/90</u>	<u>% of</u> <u>Portfolio</u>	<u>5/18/90</u>	<u>% of</u> <u>Portfolio</u>	<u>6/30/89</u>	<u>% of</u> <u>Portfolio</u>
Equities	\$183,657,933	57.22	\$175,130,881	56.01	\$106,021,220	36.90
Fixed Income	78,790,618	23.92	75,043,433	24.00	66,884,187	23.28
Real Estate	43,875,000	13.67	43,875,000	14.03	39,395,000	13.71
Cash	16,855,573	5.19	18,617,150	5.96	74,996,002	26.11
Total	<u>\$320,979,124</u>	<u>100.00</u>	<u>\$312,666,464</u>	<u>100.00</u>	<u>\$287,298,389</u>	<u>100.00</u>

(1) R. Meeder began as an advisor on August 8, 1989 with \$15,000,000.

(2) University Students began as advisor on February 20, 1990 with \$5,000,000.

(3) Wells Fargo EAFE began as an advisor on October 2, 1989 with \$40,000,000.

(4) Wells Fargo S&P 500 began as an advisor on October 6, 1989 with \$30,000,000.

(5) WR Lazard began as an advisor on August 8, 1989 with \$10,000,000.

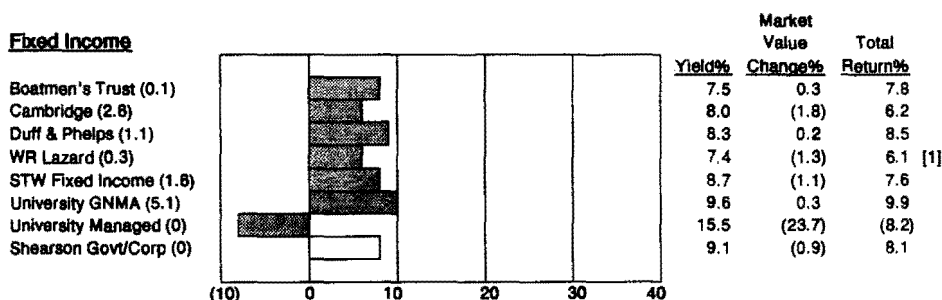
# THE OHIO STATE UNIVERSITY Endowment Performance Summary

## Estimated 12 Month Total Return

### Equities



### Fixed Income



( ) Percent Cash 6/15/90

[1] Reflects return from initial allocation August 8, 1989 only.

[2] Reflects return from initial allocation February 20, 1990 only.

[3] Reflects return from initial allocation October 2, 1989 only.

[4] Reflects return from initial allocation October 6, 1989 only.

	Year to Date July 1, 1989 to June 15, 1990	Latest Month May 18, 1990 to June 15, 1990
<u>Change in Total Valuation</u>		
Beginning Market Value	\$267,298,389	\$312,666,484
Principal Additions	20,000,837	951,192
Principal Withdrawals	(294,472)	0
Change in Market Value	13,974,370	7,381,468
Ending Market Value	<u>\$320,979,124</u>	<u>\$320,979,124</u>

NOTE: Endowment Income from July 1, 1989 through June 30, 1990 totaled approximately \$16,282,000.

**THE OHIO STATE UNIVERSITY**  
**Maturities and**  
**Real Estate Activity**

**MATURITIES THAT OCCURRED DURING PERIOD**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>
------------------	--------------------------------	----------------

No maturities during the period.

**REAL ESTATE**

**Acquisitions & Sales**

Description

Cost or  
Appraised Value

No activity during the period.

# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
900	American Brands, Inc.	Chicago	65.7500	\$59,233.50	\$2,448.00
1,700	Apple Computer, Inc.	Chicago	39.1250	66,512.50	748.00
3,200	Cracker Barrel Old Country Store, Inc.	Chicago	24.3112	77,795.93	0.00
1,700	First Alabama Bancshares, Inc.	Chicago	15.8750	26,987.50	1,564.00
8,100	General Binding Corp.	Chicago	25.2967	204,903.30	2,268.00
600	General Mills, Inc.	Chicago	81.3750	48,864.00	1,320.00
1,100	Martin Marietta Corp.	Chicago	42.7500	47,096.50	1,485.00
4,900	National Presto Industries, Inc.	Chicago	41.7500	204,893.50	7,350.00
700	Nike, Inc.	Chicago	77.7500	54,425.00	560.00
6,200	Shaw Industries, Inc.	Chicago	32.0282	198,978.00	3,100.00
1,200	Sonoco Products Co.	Chicago	34.2500	41,100.00	1,104.00
2,400	Stride Rite Corp.	Chicago	25.1250	60,456.00	960.00
7,300	Tandem Computers, Inc.	Chicago	28.3577	207,485.71	0.00
5,400	Thermo Electron Corp.	Chicago	33.9750	183,816.00	0.00
1,500	U.S. West, Inc.	Chicago	37.7500	56,722.50	3,000.00
2,300	Westvaco, Inc.	Chicago	26.6250	61,387.00	2,300.00
1,400	Banc One Corp.	Nicholas-Applegate	29.9490	42,012.60	1,456.00
6,600	Cetus Corp.	Nicholas-Applegate	19.4820	128,581.20	0.00
14,000	Equifax, Inc.	Nicholas-Applegate	20.7500	291,340.00	8,720.00
2,000	Motorola, Inc.	Nicholas-Applegate	81.3532	162,826.40	1,520.00
4,100	Nucor Corp.	Nicholas-Applegate	74.2530	304,683.30	1,968.00
2,400	Wheelabrator Technologies, Inc.	Nicholas-Applegate	40.6250	97,644.00	0.00
15,000	Kasler Corp.	Siebel Capital	11.7860	176,790.00	1,500.00
205	Banc One Corp.*	University Managed	30.3125	6,214.06	213.20
136	Lockheed Corp.*	University Managed	35.3125	4,802.50	244.80
100	Pfizer, Inc.*	University Managed	65.5000	6,550.00	240.00
33	Union Pacific Corp.*	University Managed	73.6876	2,431.69	76.56

Continued next page



# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period (continued)

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
3,000	Bausch & Lomb, Inc.	University Students	62.0000	\$186,300.00	\$3,960.00
10,000	Fabri Centers of America	University Students	20.8750	209,750.00	0.00
3,000	General Electric Co.	University Students	68.7500	206,430.00	5,640.00
20,000	International Technology Corp.	University Students	8.1700	164,400.00	0.00
2,000	Limited, Inc.	University Students	49.0000	98,100.00	960.00
3,000	Microsoft Corp.	University Students	71.7500	215,430.00	0.00
3,000	Nike, Inc.	University Students	76.2500	228,930.00	2,400.00
6,000	Optical Radiation Corp.	University Students	35.0417	210,250.00	0.00
20,000	Sterling Software, Inc.	University Students	10.5000	212,000.00	0.00
5,000	Toys-R-Us, Inc.	University Students	45.8750	229,675.00	0.00
5,000	Unum Corp.	University Students	49.5625	248,312.50	4,000.00
				<u>\$5,034,110.19</u>	<u>\$59,105.56</u>

\*Gift

# **THE OHIO STATE UNIVERSITY** **Equity Sales**

## Sales Made During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
6,000	Browning-Ferris Industries, Inc.	Chicago	40.1250	\$240,351.97	\$80,961.97
9,150	CLARCOR, Inc.	Chicago	22.3815	204,790.50	38,340.50
13,200	MNC Financial, Inc.	Chicago	16.4763	216,621.91	(27,177.26)
3,700	McGraw-Hill, Inc.	Chicago	56.6250	209,265.01	(20,251.19)
4,400	PNC Financial Corp.	Chicago	35.8910	157,651.13	(36,022.37)
3,000	Woolworth (FW) Co.	Chicago	65.0000	194,798.50	9,068.50
4,700	Avnet, Inc.	Nicholas-Applegate	28.6782	134,501.00	5,439.00
3,500	Gap, Inc.	Nicholas-Applegate	64.0957	224,117.30	782.30
1,600	Liz Claiborne, Inc.	Nicholas-Applegate	28.0000	44,800.00	5,890.24
1,600	Microsoft Corp.	Nicholas-Applegate	75.0016	120,002.60	69,485.76
3,100	Neiman Marcus Group, Inc.	Nicholas-Applegate	16.0160	49,462.04	(2,652.71)
6,000	Newmont Mining Corp.	Nicholas-Applegate	40.4312	242,219.10	(79,653.30)
12,600	Tandem Computers, Inc.	Nicholas-Applegate	25.6800	322,548.99	44,512.60
1,300	Loews Corp.	Siebel Capital	115.8450	150,502.48	90,967.41
200	International Business Machines Corp.*	University Managed	119.7500	23,919.20	115.00
				<u>\$2,535,551.73</u>	<u>\$179,806.45</u>

\* Gift

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Acquisitions**

Purchases and Gifts During Period

<u>Per Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Current Yield</u>	<u>Yield to Maturity</u>	<u>Price</u>	<u>Investment</u>
13,080,000	U.S. Treasury Bond 0.000% 11-15-15	Boatmen's	0.0000	8.5527	11.8390	1,548,541.20
900,000	U.S. Treasury Bond 8.500% 02-15-20	Cambridge	8.4603	8.4547	100.4687	904,218.75
900,000	U.S. Treasury Note 8.440% 04-15-97	Cambridge	8.4150	8.3784	100.2969	902,671.88
1,000,000	General Motors Acceptance Corp. 8.875% 06-01-10	STW	8.8787	8.8791	99.9580	999,580.00
						<u>\$4,355,011.83</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Sales**

Sales Made During Period

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Price</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
13,080,000	U.S. Treasury Bond 0.000% 11-15-16	Boatmen's	11.1110	1,453,318.80	884.40
100,000	U.S. Treasury Bond 8.875% 08-15-17	Boatmen's	101.8437	101,843.75	4,066.99
900,000	U.S. Treasury Bond 8.500% 02-15-20	Cambridge	97.9844	881,859.38	11,390.63
900,000	U.S. Treasury Bond 8.500% 02-15-20	Cambridge	100.8906	908,015.63	3,796.88
900,000	U.S. Treasury Bond 10.750% 08-15-05	STW	116.3906	1,047,515.63	(39,727.36)
				<u>\$4,392,553.19</u>	<u>(\$19,588.46)</u>

**THE OHIO STATE UNIVERSITY**  
**Real Estate Investments**

	<u>Yield</u>	<u>Year Acquired</u>	<u>Carrying Value</u>	<u>Appraised Value</u>	<u>Date Appraised</u>
Buildings and 3.9 acres at Boardwalk Street and Mediterranean Avenue	9.36%	1990	\$4,275,000	\$4,275,000	10/89
46.984 acres of land in Delaware County	0.55%	1971	100,793	641,000	06/89
Hangar at Don Scott Field (Loan)	0.00%	1973	24,000 (1)	24,000	N/A
Hangar addition at Don Scott Field (Loan)	10.00%	1978	86,831 (1)	66,631	N/A
17.92 acres of land on Eiterman Road	0.00%	1978	25,152	725,000	05/88
51 acres of land, 2809 West Granville Road	0.00%	1962	160,265	2,896,000	06/89
48.52 acres of land, 3025 West Granville Road	0.00%	1972	544,398	4,367,000	06/89
78.143 acres of land, 3253 West Granville Road	0.03%	1968	310,538	8,853,000	06/89
30.539 acres of land, 3371 West Granville Road	0.00%	1971	265,079	2,749,000	08/89
32 acres of land, 3371 West Granville Road	0.19%	1986	2,078,686	2,880,000	06/89
12 acres of land, 3483 West Granville Road	0.00%	1965	24,000	1,080,000	06/89
8.557 acres of land, 3505 West Granville Road	0.00%	1968	17,114	770,000	06/89
Undivided one-half interest in building and .85 acres at 1375 South Hamilton Road	2.94%	1986	95,000	95,000	01/86
94.5 acres of land on Harrisburg Pike	0.00%	1986	190,000	283,000	06/89
Building and 2.633 acres at 1900 Kenny Road	21.84%	1961	659,930	1,250,000	06/89
Building and 8.41 acres at 1960 Kenny Road	17.36%	1971	1,320,693	2,500,000	06/89
Building and 8.328 acres at 1991 Kenny Road	8.81%	1968	170,000	696,000	06/89
Building and 3.295 acres at 930 Kinnear Road	7.97%	1962	435,204	1,550,000	06/89
Building and 5.56 acres at 1100 Kinnear Road	3.74%	1984	825,000	2,650,000	06/89
20.986 acres of land on Shier-Rings Road	0.00%	1978	241,848	1,155,000	08/89
Veterans Administration Clinic	8.08%	1979	3,767,261	6,460,000	02/85
			<u>\$15,598,572</u>	<u>\$43,965,631</u>	

(1) Amount represents balance on loan made to Department of Aviation



Office of the Treasurer

Riverwatch Tower - Suite B  
364 West Lane Avenue  
Columbus, OH 43201-1002  
Phone 614-292-6261

## MEMORANDUM

Subject: Proxy Solicitations  
Date: June 30, 1990  
From: James L. Nichols, Treasurer *James L. Nichols*  
To: Board of Trustees, The Ohio State University

During the month of June 1990, the University voted ten proxies.

Management proposals were as follows:

- 1) Election of the Board of Directors;
- 2) Amendment to increase the number of shares available for issuance under the Non-Qualified Option Plan;
- 3) Ratification of the independent auditors;
- 4) Approval of Employees' Stock Incentive Plan;
- 5) Approval Non-Employee Director Stock Option Plan;
- 6) Approval of Management Equity Incentive Plan;
- 7) Permit dividends of Class B Common Stock to be paid in shares of Class A Common Stock or special Class A Common Stock;
- 8) Permit conversion of Class B Common Stock to Class A Special Common Stock;
- 9) Eliminate the \$1 per share liquidation preference of Class A Common Stock and Class A Special Common Stock;
- 10) Approval of amendment to Stock Option Plans;
- 11) Approval of the sale of two subsidiaries;
- 12) Approval to create a class of preferred stock.

The shareholder proposal was as follows:

- 1) Invoke annual election of all directors.

The University voted for all Management proposals and against the shareholder proposal. Additionally, Management opposed the shareholder proposal.

The ten corporations were:

- 1) American Greetings
- 2) Charming Shoppes, Incorporated
- 3) Citizens Utilities Company
- 4) Comcast Corporation
- 5) Ennis Business Forms, Incorporated
- 6) Interco, Incorporated
- 7) McKesson Corporation
- 8) Mitchell Energy and Development Corporation
- 9) National Pizza Company
- 10) Newmont Mining Corporation

Page 128 Blank



**APPENDIX II**

**THE STUDENT INVESTMENT MANAGEMENT PROGRAM  
July 6, 1990**

**Presented to the Investments Committee  
(See page 4)**

THE STUDENT INVESTMENT MANAGEMENT PROGRAM  
REPORT TO THE INVESTMENT COMMITTEE  
JULY 6, 1990

## EXECUTIVE SUMMARY

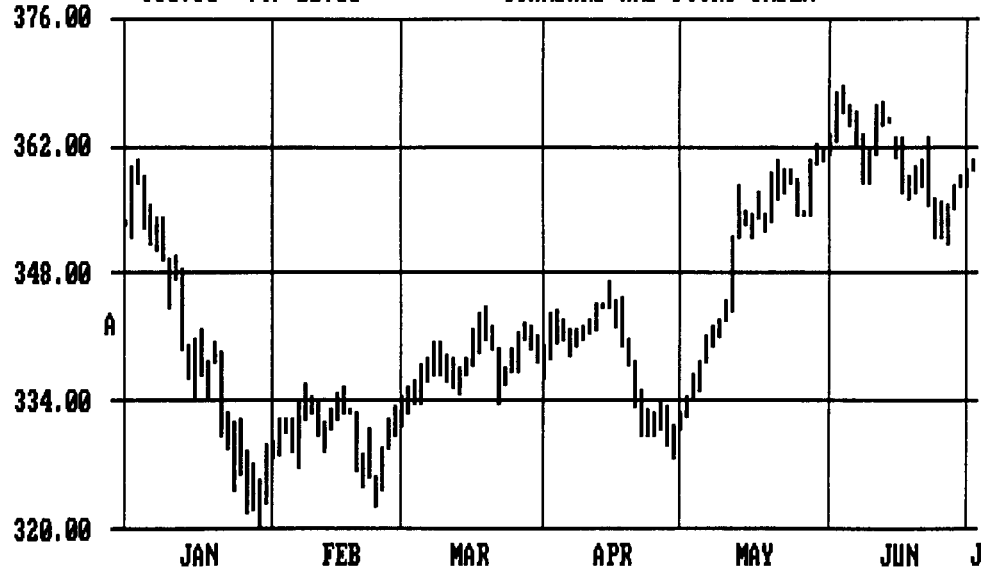
The student investment management team received an allocation of \$5 million in endowment funds in mid February. Initial investments totalling roughly \$1.5 million were made on February 16th. The amount invested in equities was gradually increased to roughly 95% by the end of the current reporting period (June 15th).

The initial return on the student portfolio has been impressive. Realized and unrealized gains totalled \$609 thousand dollars which, together with dividends and interest produced a total return of 13.2% over the four month period. On an annualized basis, the total return was just under 40%.

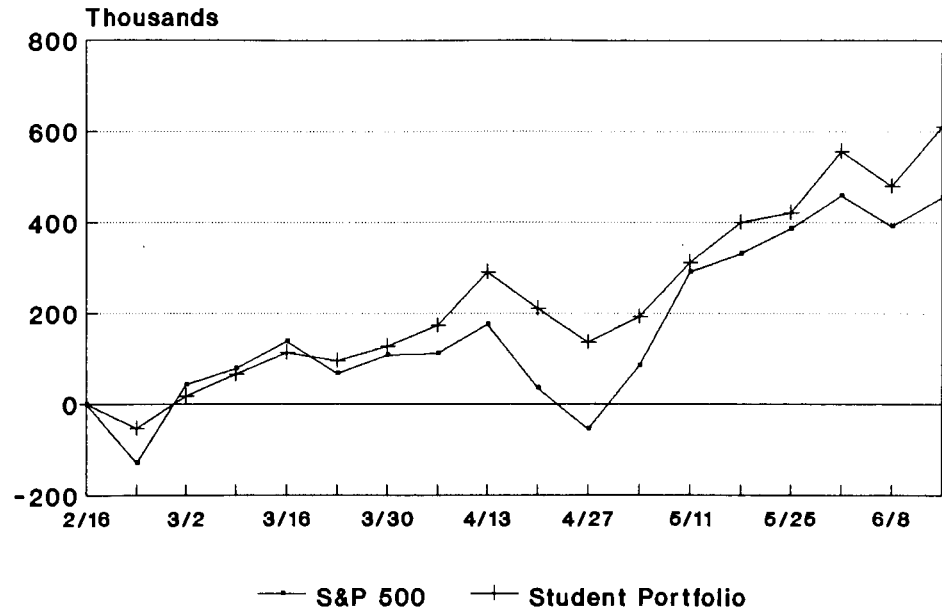
The educational return on the student investment management project has continued to grow at an impressive rate as well. Each year more than 100 undergraduate and graduate students rotate through the program and are emersed in the practical rigors of real world investments. The quality and depth of our industry speaker series continues to improve. And, despite a general downturn in the securities industry, we are continuing to expand our efforts to place students in summer intern positions and permanent jobs in the investments community.

QSP + 360.60 (Q) 11.00

# STANDARD AND POORS INDEX



# Growth in Portfolio Value



## WEEKLY PERFORMANCE

	Date:	2/16	2/23	3/2	3/9	3/16	3/23	3/30	4/6
New Investment		5000000	0	0	0	0	0	0	0
Cumulative Investment		5000000	5000000	5000000	5000000	5000000	5000000	5000000	5000000
S&P 500 Index Value		332.72	324.15	335.54	337.93	341.91	337.23	339.94	340.08
S&P 500 Shares		15027.85	15027.85	15027.85	15027.85	15027.85	15027.85	15027.85	15027.85
S&P Portfolio		5000000	4871213	5042378	5078294	5138104	5067775	5108500	5110804
S&P Portfolio + Cash		5000000	4871213	5042378	5078294	5138104	5067775	5106500	5110804
Gain(Loss)		0	-128787	171185	35916	59810	-70329	40725	2104
Cum. Gain(Loss)		0	-128787	42378	78294	138104	67775	108500	110604
Student Portfolio		1595298	1765250	1835750	2003000	3842000	3824375	3858125	3845875
Student Portfolio + Cash		5000000	4947663	5018163	5065215	5112748	5095123	5128873	5172613
Gain(Loss)		0	-52338	70500	47053	47533	-17825	31750	45740
Cum. Gain(Loss)		0	-52338	18163	65215	112748	95123	128873	172613
Cash Position		3404703	3182413	3182413	3062215	1270748	1270748	1270748	1326738

4/13	4/20	4/27	5/4	5/11	5/18	5/25	6/1	6/8	6/15
0	0	0	0	0	0	0	0	0	0
5000000	5000000	5000000	5000000	5000000	5000000	5000000	5000000	5000000	5000000
344.34	335.12	329.11	338.39	352.00	354.74	358.42	363.16	358.71	362.91
15027.65	15027.65	15027.65	15027.65	15027.65	15027.65	15027.65	15027.65	15027.65	15027.65
5174621	5036066	4945750	5085207	5289733	5330909	5386211	5457442	5390569	5453685
5174621	5036066	4945750	5085207	5289733	5330909	5386211	5457442	5390569	5453685
64018	-138555	-90316	139457	204526	41176	55302	71231	-66873	83116
174621	36066	-54250	85207	289733	330909	386211	457442	390569	453685
3963125	3883500	3711875	3856125	3798250	2938125	5167500	5302750	5225750	5356625
5289863	5210238	5135583	5192273	5311142	5400209	5420006	5555256	5478256	5609131
117250	-79625	-74655	56690	118869	89067	19797	135250	-77000	130875
289863	210238	135583	192273	311142	400209	420006	555256	478256	609131
1326738	1326738	1423708	1336148	1512892	2462084	252506	252506	252506	252506

## TRANSACTIONS - SIM PROGRAM

DATE	ORDER TYPE	AMOUN	SECURITY	ORIG. PRICE	COMM.	SEC FEE	TOTAL COST	CASH BALANCE
2/16	BUY	1000	AIG Group	97.125	60.00	0.00	97185.00	4902815.00
2/16	BUY	3000	JM Smucker	68.125	180.00	0.00	204555.00	4698260.00
2/16	BUY	3000	Walgreen	41.625	180.00	0.00	125055.00	4573205.00
2/16	BUY	2800	MA Hanna	23.875	168.00	0.00	67018.00	4506187.00
2/16	BUY	900	MA Hanna	23.875	54.00	0.00	21541.50	4484645.50
2/16	BUY	1300	MA Hanna	23.875	78.00	0.00	31115.50	4453530.00
2/16	BUY	5000	Rubbermaid	32.455	300.00	0.00	162575.00	4290955.00
2/16	BUY	3000	Limited	35.500	180.00	0.00	106680.00	4184275.00
2/16	BUY	4000	Great Lakes	46.000	240.00	0.00	184240.00	4000035.00
2/16	BUY	5000	Fifth Third	32.000	300.00	0.00	160300.00	3839735.00
2/16	BUY	3500	Cooper Tire	33.875	210.00	0.00	118772.50	3720962.50
2/16	BUY	1500	Cooper Tire	33.750	90.00	0.00	50715.00	3670247.50
2/16	BUY	2000	Procter & Gamble	66.625	140.00	0.00	133390.00	3536857.50
2/16	BUY	500	Edison Bros.	32.750	35.00	0.00	16410.00	3520447.50
2/16	BUY	3500	Edison Bros.	33.000	245.00	0.00	115745.00	3404702.50
2/20	BUY	5000	Worthington Ind.	20.625	300.00	0.00	103425.00	3301277.50
2/20	BUY	2000	Banc One	29.500	120.00	0.00	59120.00	3242157.50
2/23	BUY	1000	Banc One	28.625	60.00	0.00	28685.00	3213472.50
2/23	BUY	1000	Edison Bros.	31.000	60.00	0.00	31060.00	3182412.50
3/05	BUY	900	ATT	40.000	63.00	0.00	36063.00	3146349.50
3/05	BUY	100	ATT	39.875	7.00	0.00	3994.50	3142355.00
3/05	BUY	500	ATT	40.000	35.00	0.00	20035.00	3122320.00
3/05	BUY	1500	ATT	40.000	105.00	0.00	60105.00	3062215.00
3/12	BUY	3000	Medtronic	63.250	180.00	0.00	189930.00	2872285.00
3/12	BUY	400	Wal Mart	46.375	24.00	0.00	18574.00	2853711.00
3/12	BUY	1700	Wal Mart	46.375	102.00	0.00	78939.50	2774771.50
3/12	BUY	900	Wal Mart	46.375	54.00	0.00	41791.50	2732980.00
3/12	BUY	2000	Wal Mart	46.375	120.00	0.00	92870.00	2640110.00
3/12	BUY	500	ATT	41.125	35.00	0.00	20597.50	2619512.50
3/12	BUY	500	ATT	41.125	35.00	0.00	20597.50	2598915.00
3/12	BUY	5000	Savannah Foods	26.500	300.00	0.00	132800.00	2466115.00
3/12	BUY	1000	AIG	96.000	60.00	0.00	96060.00	2370055.00
3/12	BUY	2000	Limited	39.875	120.00	0.00	79870.00	2290185.00
3/12	BUY	5000	Waste Mgmt.	34.375	350.00	0.00	172225.00	2117960.00
3/13	BUY	2500	MA Hanna	25.500	175.00	0.00	63925.00	2054035.00
3/13	BUY	500	MA Hanna	25.500	35.00	0.00	12785.00	2041250.00
3/13	BUY	1000	Pepsico	59.625	60.00	0.00	59685.00	1981565.00
3/13	BUY	1500	Pepsico	59.625	90.00	0.00	89527.50	1892037.50
3/13	BUY	500	Pepsico	59.625	30.00	0.00	29842.50	1862195.00
3/13	BUY	1000	Procter & Gamble	64.625	60.00	0.00	64685.00	1797510.00
3/13	BUY	500	Walgreen	42.750	30.00	0.00	21405.00	1776105.00
3/13	BUY	2000	Banc One	29.125	120.00	0.00	58370.00	1717735.00



3/13	BUY	1500	Walgreen	42.625	90.00	0.00	64027.50	1653707.50
3/13	BUY	2000	ATT	41.375	140.00	0.00	82890.00	1570817.50
3/13	BUY	1000	Medtronic	63.375	70.00	0.00	63445.00	1507372.50
3/13	BUY	2000	Waste Mgmt.	34.000	140.00	0.00	68140.00	1439232.50
3/13	BUY	1000	Rubbermaid	35.625	60.00	0.00	35685.00	1403547.50
3/15	BUY	5000	Savannah Food	26.500	300.00	0.00	132800.00	1270747.50
4/05	BUY	1000	Great Lakes	53.000	85.00	0.00	53085.00	1217662.50
4/05	SELL	5000	Worthington Ind.	21.875	300.00	0.00	-109075.00	1326737.50
4/23	BUY	1000	Limited	40.125	100.00	0.00	40225.00	1286512.50
4/27	SELL	5000	Banc One	27.500	300.00	4.59	-137195.41	1423707.91
5/4	BUY	1000	AIG	87.500	60.00	0.00	87560.00	1336147.91
5/7	SELL	3000	Edison Bros.	35.500	300.00	3.55	-106196.45	1442344.36
5/7	SELL	2000	Edison Bros.	35.375	200.00	2.36	-70547.64	1512892.00
5/14	BUY	5000	Coca Cola	42.125	500.00	0.00	211125.00	1301767.00
5/14	SELL	3000	AIG	93.625	300.00	9.37	-280565.63	1582332.63
5/14	SELL	5000	Walgreens	43.625	500.00	7.28	-217617.72	1799950.35
5/14	SELL	5000	Wal-Mart	54.000	500.00	9.00	-269491.00	2069441.35
5/14	SELL	5000	Fifth-Third Bank	32.250	500.00	0.00	-160750.00	2230191.35
5/16	SELL	6000	Rubbermaid	38.750	600.00	7.75	-231892.25	2462083.60
5/21	BUY	1000	Optical Radiation	34.750	0.00	0.00	34750.00	2427333.60
5/21	BUY	2000	Optical Radiation	35.250	0.00	0.00	70500.00	2356833.60
5/21	BUY	3000	Optical Radiation	35.000	0.00	0.00	105000.00	2251833.60
5/21	BUY	3000	General Electric	68.750	180.00	0.00	206430.00	2045403.60
5/21	BUY	5000	Toys 'R' Us	45.875	300.00	0.00	229675.00	1815728.60
5/21	BUY	3000	Microsoft	71.750	180.00	0.00	215430.00	1600298.60
5/21	BUY	3000	Nike	76.250	180.00	0.00	228930.00	1371368.60
5/24	BUY	2000	Limited	49.000	100.00	0.00	98100.00	1273268.60
5/24	BUY	10000	Fabri-Centers	20.875	1000.00	0.00	209750.00	1063518.60
5/24	BUY	20000	International Techn	8.170	1000.00	0.00	164400.00	899118.60
5/24	BUY	2500	Unum	49.625	250.00	0.00	124312.50	774806.10
5/24	BUY	1700	Sterling Software	10.500	170.00	0.00	18020.00	756786.10
5/24	BUY	2500	Unum	49.500	250.00	0.00	124000.00	632786.10
5/25	BUY	18300	Sterling Software	10.500	1830.00	0.00	193980.00	438806.10
5/25	BUY	3000	Bausch & Lomb	62.000	300.00	0.00	186300.00	252506.10

The Ohio State University Endowment  
PORTFOLIO APPRAISAL  
OSU Student Managed Portfolio  
June 15, 1990 - Third Friday Report

Quantity	Security	Unit Cost	Total Cost	Mkt Price 15-Jun	Mkt Value 15-Jun	Pct. Assets	Unit Income	Est. Annual Income	Current Yield
<b>COMMON STOCK</b>									
6,000	AT & T	40.714	244,283	42.750	256,500	4.6%	1.32	7920	3.1%
3,000	Bausch & Lomb	62.100	186,300	65.750	197,250	3.5%	1.32	3960	2.0%
5,000	Coca-Cola	42.225	211,125	45.000	225,000	4.0%	0.80	4000	1.8%
5,000	Cooper Tire	33.898	169,488	39.625	198,125	3.5%	0.36	1800	0.9%
10,000	Fabri-Centers	20.975	209,750	21.875	218,750	3.9%	0.10	1000	0.5%
3,000	General Electric	68.810	206,430	70.125	210,375	3.8%	1.88	5640	2.7%
5,000	Great Lakes Chem	47.480	237,300	62.125	310,625	5.5%	0.44	2200	0.7%
8,000	Hanna (M. A.)	24.548	196,385	22.375	179,000	3.2%	0.50	4000	2.2%
20,000	Interntl. Technology	8.220	164,400	10.250	205,000	3.7%	0.00	0	0.0%
8,000	Limited	40.813	324,900	48.750	390,000	7.0%	0.48	3840	1.0%
4,000	Medtronics	63.344	253,375	79.250	317,000	5.7%	0.70	2800	0.9%
3,000	Microsoft	71.810	215,430	76.000	228,000	4.1%	0.00	0	0.0%
3,000	Nike	76.310	228,930	78.750	236,250	4.2%	1.00	3000	1.3%
8,000	Optical Radiation	36.042	216,250	38.500	231,000	4.1%	0.00	0	0.0%
3,000	PepsiCo	59.885	179,055	74.000	222,000	4.0%	1.20	3600	1.6%
3,000	Proctor & Gamble	66.025	198,075	64.375	253,125	4.5%	1.80	5400	2.1%
10,000	Savannah Foods	26.560	265,600	28.500	285,000	4.7%	0.36	3600	1.4%
6,000	Smucker (J.M.)	34.093	204,555	40.125	240,750	4.3%	0.66	4080	1.7%
20,000	Starling Software	10.600	212,000	10.000	200,000	3.6%	0.00	0	0.0%
5,000	Toys 'R' Us	45.935	229,675	48.375	231,875	4.1%	0.00	0	0.0%
5,000	Unum Corp	49.663	248,313	51.500	257,500	4.6%	0.80	4000	1.6%
7,000	Waste Management	34.338	240,385	40.500	283,500	5.1%	0.38	2520	0.9%
148,000			4,841,984		5,358,625	95.5%		63,360	1.2%
<b>CASH and EQUIVALENTS</b>									
	NCC Money Market		252,506		252,506	4.5%	7.42%	18,736	7.4%
	Commercial Paper with OSU Treas		0				8.33%	0	0.0%
	Total non-equity		252,506		252,506	4.5%		18,736	7.4%
<b>TOTAL PORTFOLIO</b>			<b>5,094,490</b>		<b>5,609,131</b>	<b>100.0%</b>		<b>82,096</b>	<b>1.5%</b>

HIGHLIGHTS OF THE  
STUDENT INVESTMENT MANAGEMENT PROGRAM  
AT THE OHIO STATE UNIVERSITY

- I. FIDUCIARY/ADMINISTRATIVE STRUCTURE
  - A. OFFICE OF THE TREASURER
  - B. STUDENT "MANAGERS"
  - C. FACULTY "COORDINATORS"
  - D. COLLEGE OF BUSINESS
  - E. UNIVERSITY TRUSTEES
  - F. ADVISORY BOARD
- II. ACADEMIC STRUCTURE
  - A. QUARTERLY COURSE
  - B. SUPPORT TEAM
  - C. SUMMER INTERN PROGRAM
- III. PORTFOLIO MANAGEMENT POLICIES
  - A. CONTINUING PORTFOLIO
  - B. POTENTIAL ADDITIONS
  - C. MAJORITY RULE
  - D. INTERACTION WITH THE TREASURER'S OFFICE
- IV. INTANGIBLE KEYS TO SUCCESS
  - A. CHAIN OF SUPPORT
  - B. GOALS FOR THE PROGRAM

# OSU finance students outperform the pros

**Student-managed account gains 9.5% in 13 weeks**

By Barnett D. Wolf  
Dispatch Business Reporter

Although the top money managers in Columbus may be playing their trade at the city's top pension funds, mutual funds or investment companies, a group of young upstarts possibly could give them a run for their money.

In the three months that finance classes at The Ohio State University have overseen a tiny chunk of the institution's \$300 million endowment fund, the students' portfolio has outperformed not only the stock market, but the fund's professional money managers as well.

At the market's close Friday, the original \$5 million Student Managed Account had appreciated \$419,000 since it was initiated Feb. 16, and it added another \$50,000 in cash dividends and interest to the endowment fund's coffers.

That's nearly a 9.5 percent combined increase in just 13 weeks, or a 38 percent annualized gain.

During the same period, the Standard & Poor's 500 gained 8.6 percent, and an investment in the S&P 500 for those three months would have resulted in a stock-value appreciation of about \$210,000.

"I must admit I'm very pleasantly surprised," said Stephen A. Buser, a professor of finance whose class of undergraduates was the first money manager for the new account.

According to Alvin C. Rodack, OSU's associate treasurer, the Student Managed Account "has been the best manager" of OSU endowment funds during its first two months in existence. Buser believes that is true through Friday, too.

The endowment fund has nearly a dozen money managers, including companies such as Chicago Corp. and Neuberger & Berman. The OSU Board of Trustees in December approved letting finance students act as investment managers after a two-year trial using a model portfolio.

Results from three months "is not a telling piece of information" for long-term investment performance," Rodack said. He admitted, however, "They're certainly off to a good start."

The student portfolio's increase

## Adding to OSU's endowment fund

Performance of the Student Managed Account's original portfolio			
Company	Feb. 16 value	May 18 value	Gain (loss)
American International Group*	\$ 97,000	\$ 93,675	(\$ 3,325)
Cooper Tire & Rubber Co.	169,375	190,000	20,625
Edison Brothers Stores Inc.*	132,000	142,000	10,000
Fifth Third Bancorp*	160,000	161,250	1,250
Great Lakes Chemical Corp.	184,000	245,000	61,000
J.M. Smucker Co.	204,000	228,000	24,000
The Limited Inc.	106,500	137,250	30,750
M.A. Hanna Co.	119,375	115,625	(3,750)
Procter & Gamble Co.	133,250	153,000	19,750
Rubbermaid Inc.	160,000	193,750	33,750
Walgreen Co.*	124,500	130,875	6,375
	<b>\$1,580,000</b>	<b>\$1,790,425</b>	<b>\$200,425</b>

\*Position sold prior to May 18; the listed May 18 value was the sale price

Dispatch chart

is even more stunning considering that \$1.6 million of the investment was invested in stocks when the account began and no less than 20 percent of the available funds have been in cash.

The original \$1.6 million stock investment has recorded a gain in excess of \$200,000, or 12.6 percent.

Buser and Anthony B. Sanders, an associate finance professor, developed the program that eventually led to the Student Managed Account. Buser acknowledged that good fortune has shined on the portfolio, which is being managed this quarter by M.B.A. students.

"We were very lucky to receive our money after the market had turned down," the finance professor noted. "The market has been very good over the past few months."

The students have bought and sold several positions since their original investment, and they have switched from a portfolio heavily weighted with Ohio companies to one with about half the stock in companies based in the state.

One of the reasons for owning Ohio stock, however, is so students can make research visits to companies and talk with management.

The portfolio currently includes 12 companies: AT&T, Coca Cola Co., Cooper Tire & Rubber Co., Great Lakes Chemical Corp., The Limited Inc., M.A. Hanna Co., Medtronic Inc., PepsiCo Inc., Procter & Gamble Co., Savannah Foods & Industries Inc., J.M. Smucker Co. and Waste Management Inc.

About 30 percent of the account is now in cash, but Buser says that

will decline in the next few weeks.

"The students are currently reviewing several companies for some new (stock) additions in another two weeks," he said.

Before buying stock, students will listen to investment presentations by their classmates. Then they will vote on whether to buy, as well as on how many shares to purchase.

During the initial investment discussions, the most debate was over purchasing stock in The Limited. Although the student analyst who researched the stock suggested the class buy 5,000 shares in the Columbus-based apparel retailer, others protested and just 3,000 shares were purchased.

Since then, the Student Managed Account has raised its holdings in The Limited to 6,000 shares. The stock has proven to be among the account's best performers.

The class also changed its mind on Banc One Corp. and Worthington Industries Inc., selling its positions in them after Banc One announced an additional equity offering and when Worthington initiated a stock buyback program.

Buser said it has been exciting to watch students mull over stock selections and switch gears on a particular equity issue.

"You see them trying to desperately remember things they learned in earlier classes," he stated. "The students are surprised to discover that they actually can use portions of that earlier material."

THE FACULTY OF FINANCE IS PLEASED TO ANNOUNCE THE RESULTS OF  
THE COMPETITION FOR OSU/SECURITIES INDUSTRY AWARDS FOR 1990.  
THE WINNERS ARE LISTED BELOW ALONG WITH OTHER RECENT WINNERS.

THE PRUDENTIAL-BACHE AWARD (\$1000)

1990	JOHN BILLS
1989	GRETCHEN LINKS
1988	MICHAEL TROPER

THE OHIO COMPANY AWARD (\$1000)

1990	MICHAEL DANIELS
1989	JOHN WAUGH
1988	JEROME JOONDEPTH
1988	MARILYN BRUGGER

THE SHEARSON LEHMAN HUTTON AWARD (\$1000)

1990	DAVID BRITT
1989	KENNETH CRUTHERS
1988	ABBY NADER

THE MERRILL LYNCH AWARD (\$1000)

1990	MELANIE NEWCOME
1989	MARTY KEARNS

THE BOLDEN INVESTMENT PLANNING AWARD (\$1000)

1990	KIMBERLYN CUNNINGHAM
------	----------------------

THE NATIONAL ASSOCIATION OF SECURITY DEALERS AWARD (\$500)

1990	NANCY HAGEMEIER
1989	WILLIAM ROBERTS
1989	JOHN BECKHAM
1989	TIMOTHY HORNER
1988	MICHAEL RYWALSKI

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APPENDIX III

LETTER TO PURCHASE PRIOR PUBLIC SERVICE CREDIT  
June 28, 1990

Presented to the Academic Affairs Committee and  
Adopted by the Board of Trustees July 6, 1990  
(See page 17)

June 28, 1990

Mr. Madison H. Scott  
Vice President for Personnel  
Services and Secretary of  
the Board of Trustees  
113 Archer House  
2130 Neil Avenue  
CAMPUS

Dear Scottie:

As I prepare to leave the Office of President I wanted to write you and express once again my sincere appreciation and gratitude for all the help and support you have given me during the years of my administration. Your wise counsel and ability to take on critical and sensitive issues for the University have been superb. You have contributed much to the success we have achieved and I want to thank you personally and for The Ohio State University.

I am also aware of the fact that you have served with distinction two other former Presidents of The Ohio State University, Presidents Fawcett and Enarson. This in and of itself is a remarkable feat. More importantly, however, your demonstrated record of accomplishment attests strongly to your professional ability, commitment and dedication to Ohio State.

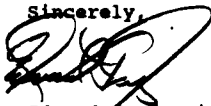
Over the last several months I have thought about ways in which the University might recognize your splendid effort. This is not a simple matter. You have served the University for more than 25 years, and during that time you have served as the University's Chief Personnel Officer for 19 years and you have the third longest tenure, 11 years, in the history of the University as Secretary of the Board of Trustees. Given your outstanding record of service to the University I shall recommend to the Board of Trustees the purchase of three years public service credit in the Public Employees Retirement System.



Mr. Madison H. Scott  
June 28, 1990  
Page Two

As I understand it the cost to make this purchase is minimal. You have earned this recognition from the University and I wanted to get this accomplished during my tenure. I am delighted and pleased to be able to recommend to the Trustees this action.

Sincerely,

A handwritten signature in dark ink, appearing to read "E. H. Jennings", with a large, sweeping flourish extending from the end of the signature.

Edward H. Jennings

EHJ/dr

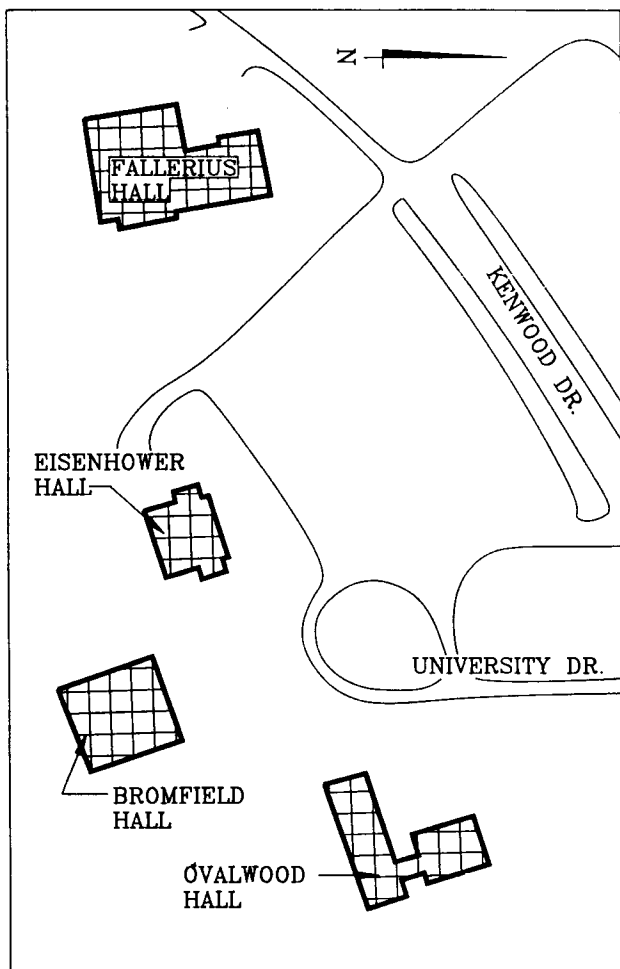
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#### **APPENDIX IV**

#### **MANSFIELD CAMPUS - HVAC AND ELECTRICAL REHABILITATION**

**Adopted by the Board of Trustees July 6, 1990  
(See page 103)**

# MANSFIELD CAMPUS – HVAC AND ELECTRICAL REHABILITATION



OFFICE OF BUSINESS<sup>®</sup> AND ADMINISTRATION  
JULY 6, 1990

**APPENDIX V**

**KOTTMAN HALL - BIOTECHNOLOGY CENTER IMPROVEMENTS  
UNIVERSITY HOSPITALS EMERGENCY DEPARTMENT MASTER PLAN -  
PHASE I, HOLDING AREA AND HYPERBARIC OXYGEN THERAPY**

**Adopted by the Board of Trustees July 6, 1990  
(See page 104)**

July 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

KOTTMAN HALL - BIOTECHNOLOGY CENTER IMPROVEMENTS

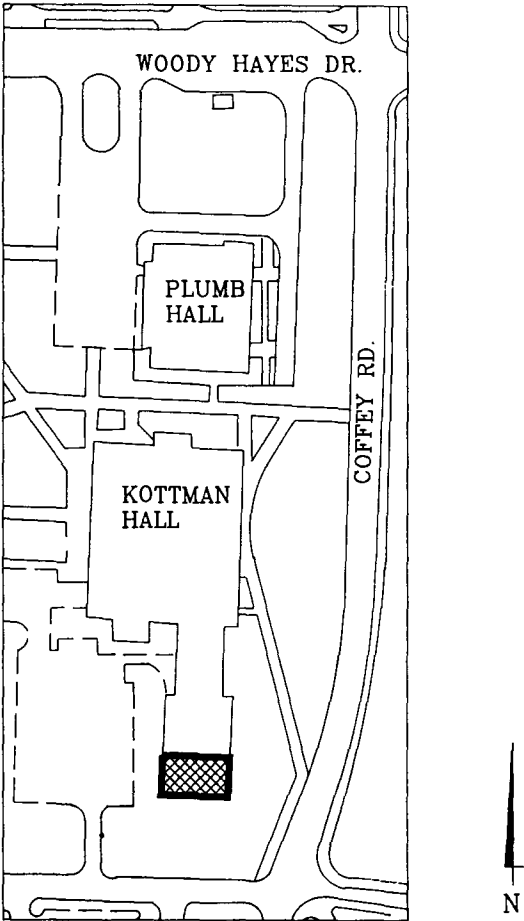
Tabulation of Bids

Bids received by The Ohio State University on April 17, 1990. Bids opened by Tamara Bell and tabulated by Ray Vanscik. Awards indicated with an "\*\*".

<u>General Contract</u>	<u>Estimate</u>	<u>Functional Dev *</u>	<u>Gutknecht</u>	<u>Allen Ballew</u>
Base Bid	\$176,416.00	\$169,650.00	\$176,052.00	\$179,397.00
Total General Contract	\$176,416.00	\$169,650.00	\$176,052.00	\$179,397.00
Alternates not taken:				
Alt. G-1 (Gravel Bed)	\$2,500.00	\$2,000.00	\$1,029.00	\$2,056.00
Alt. G-2 (Growth Chambers)	.00	400.00	.00	.00
General Contract (Continued)	<u>Ed Ross</u>	<u>M &amp; P</u>		
Base Bid	\$183,780.00	\$186,900.00		
Total General Contract	\$183,780.00	\$186,900.00		
Alternates not taken:				
Alt. G-1 (Gravel Bed)	\$1,988.00	\$1,900.00		
Alt. G-2 (Growth Chambers)	.00	.00		
<u>Plumbing Contract</u>	<u>Estimate</u>	<u>C R Legner *</u>	<u>Ziegler</u>	<u>J A Croson</u>
Base Bid	\$38,000.00	\$22,387.00	\$24,730.00	\$28,357.00
Total Plumbing Contract	\$38,000.00	\$22,387.00	\$24,730.00	\$28,357.00
Alternate not taken:				
Alt. P-1 (Domestic Hot Water)	\$1,000.00	\$600.00	\$395.00	\$1,353.00
Plumbing Contract (Continued)	<u>Farber</u>	<u>Radico</u>	<u>Westland</u>	<u>Ro-Dan</u>
Base Bid	\$29,600.00	\$30,400.00	\$33,600.00	\$56,000.00
Total Plumbing Contract	\$29,600.00	\$30,400.00	\$33,600.00	\$56,000.00
Alternate not taken:				
Alt. P-1 (Domestic Hot Water)	\$1,000.00	\$900.00	\$1,190.00	\$1,400.00

<u>HVAC Contract</u>	<u>Estimate</u>	<u>Swain Mech *</u>	<u>C R Legner</u>	<u>Radico</u>
Base Bid	\$38,800.00	\$37,780.00	\$40,019.00	\$42,000.00
Total HVAC Contract	\$38,800.00	\$37,780.00	\$40,019.00	\$42,000.00
Alternate not taken:				
Alt. H-2 (Condenser Water Supply)	\$3,000.00	\$1,300.00	\$2,700.00	\$1,300.00
<u>HVAC Contract (Continued)</u>	<u>Farber</u>			
Base Bid	\$44,700.00			
Total HVAC Contract	\$44,700.00			
Alternate not taken:				
Alt. H-2 (Condenser Water Supply)	\$1,300.00			
<u>Electric Contract</u>	<u>Estimate</u>	<u>Claggett *</u>	<u>Romanoff</u>	<u>Newco</u>
Base Bid	\$37,550.00	\$53,310.00	\$58,455.00	\$72,191.00
Total Electric Contract	\$37,550.00	\$53,310.00	\$58,455.00	\$72,191.00
Alternates not taken:				
Alt. E-2 (Growth Chamber Service)	\$3,000.00	\$1,410.00	\$1,100.00	\$1,399.00
Alt. E-3 (Time Controlled Outlets)	\$3,200.00	10,667.00	1,800.00	1,405.00

KOTTMAN HALL – BIOTECHNOLOGY  
CENTER IMPROVEMENTS



OFFICE OF BUSINESS AND ADMINISTRATION  
JULY 6, 1990



July 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

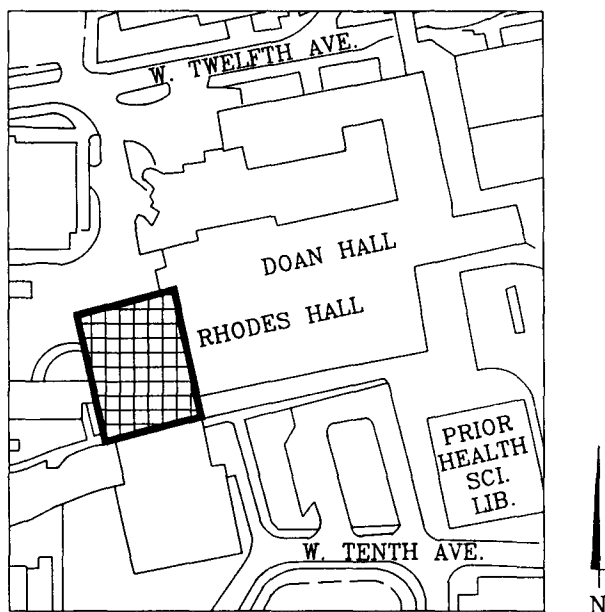
UNIVERSITY HOSPITAL EMERGENCY DEPARTMENT MASTER PLAN - PHASE I, HOLDING AREA AND HYPERBARIC OXYGEN THERAPY

Tabulation of Bids

Bids received by The Ohio State University on May 8, 1990. Bids opened by Tamara Bell and tabulated by Ray Yanscik. Awards indicated with an "\*".

<u>General Contract</u>	<u>Estimate</u>	<u>Ed Ross *</u>	<u>Functional Dev</u>	<u>Cody Zeigler</u>
Base Bid	\$69,000.00	\$52,290.00	\$56,450.00	\$57,700.00
Total General Contract	\$69,000.00	\$52,290.00	\$56,450.00	\$57,700.00
General Contract (Continued)	<u>GM</u>	<u>Allen Baller</u>	<u>Gutknecht</u>	<u>Waller &amp; Lund</u>
Base Bid	\$64,242.00	\$71,570.00	\$72,785.00	\$73,540.00
Total General Contract	\$64,242.00	\$71,570.00	\$72,785.00	\$73,540.00
<u>Mechanical Contract</u>	<u>Estimate</u>	<u>Farber *</u>	<u>J A Croson</u>	<u>Westland</u>
Base Bid	\$137,000.00	\$116,200.00	\$122,789.00	\$125,800.00
Total Mechanical Contract	\$137,000.00	\$116,200.00	\$122,789.00	\$125,800.00
<u>Electric Contract</u>	<u>Estimate</u>	<u>Advantage *</u>	<u>Pover National</u>	
Base Bid	\$37,500.00	\$50,976.00	\$52,774.00	
Total Electric Contract	\$37,500.00	\$50,976.00	\$52,774.00	

UNIVERSITY HOSPITALS  
EMERGENCY DEPARTMENT  
MASTER PLAN, PHASE I  
HOLDING AREA AND HYPERBARIC  
OXYGEN THERAPY



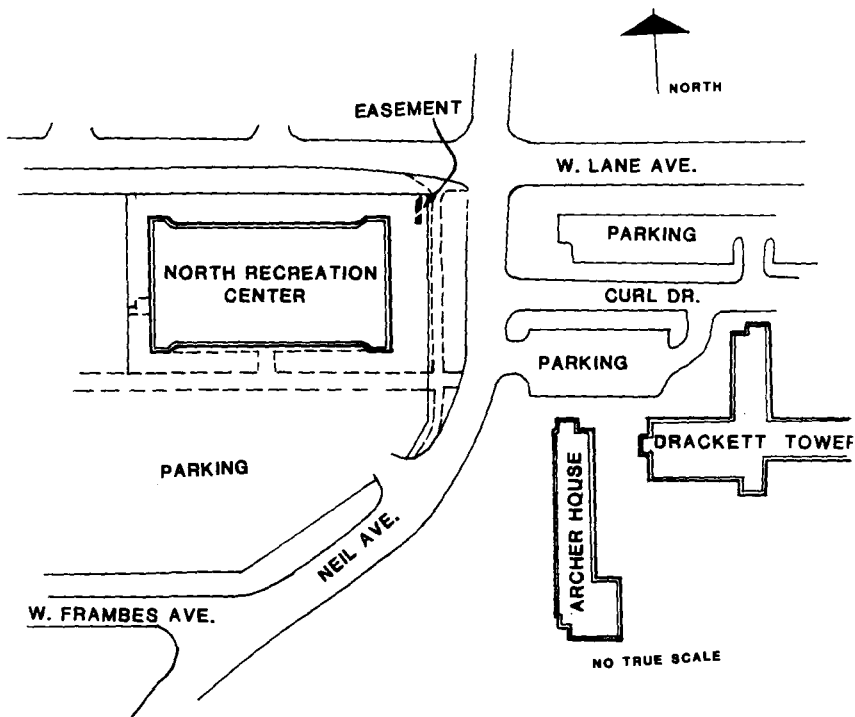
OFFICE OF BUSINESS AND ADMINISTRATION  
JULY 8, 1990

APPENDIX VI

COLUMBUS SOUTHERN POWER COMPANY EASEMENT  
RENEWAL AT 2151 NEIL AVENUE, COLUMBUS, OHIO

Adopted by the Board of Trustees July 6, 1990  
(See page 106)

**COLUMBUS SOUTHERN POWER COMPANY  
EASEMENT RENEWAL**



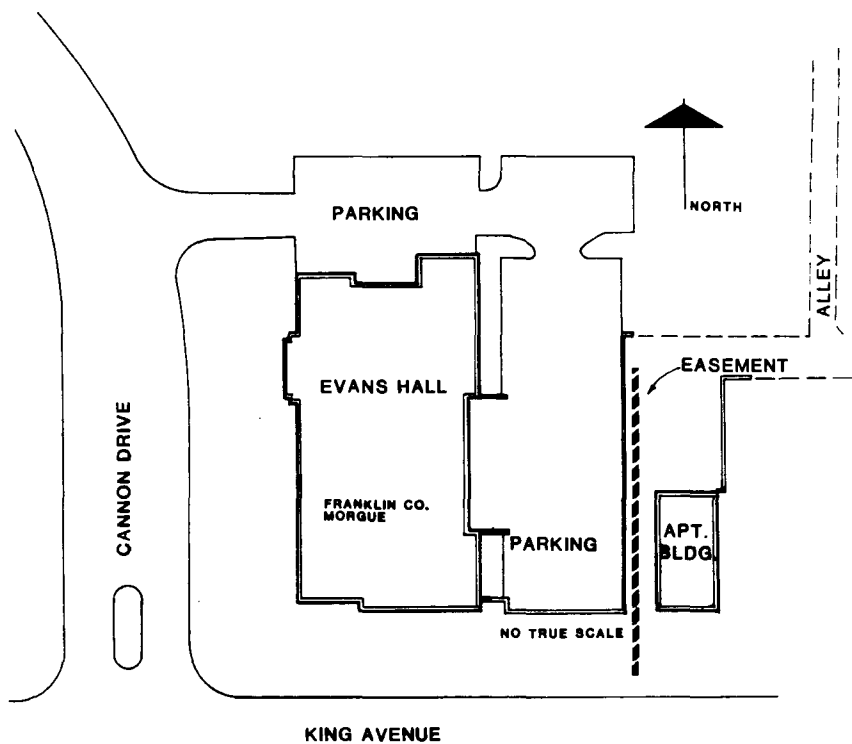
OFFICE OF BUSINESS AND ADMINISTRATION  
JULY 6, 1990

APPENDIX VII

COLUMBUS SOUTHERN POWER COMPANY EASEMENT  
RENEWAL AT KING AVENUE AND CANNON DRIVE, COLUMBUS, OHIO

Adopted by the Board of Trustees July 6, 1990  
(See page 107)

**COLUMBUS SOUTHERN POWER COMPANY  
EASEMENT RENEWAL**



**OFFICE OF BUSINESS AND ADMINISTRATION  
JULY 6, 1990**

## APPENDIX VIII

### LETTER OF APPOINTMENT

Adopted by the Board of Trustees July 6, 1990  
(See page 109)



Board of Trustees

2130 Neil Avenue  
Columbus, OH 43210

LETTER OF APPOINTMENT  
President of The Ohio State University

July 6, 1990

Dr. E. Gordon Gee  
3600 Caddos Parkway  
Boulder, CO 80303

Dear Dr. Gee:

Tuesday, June 26, 1990, at a special Board meeting of the Trustees of The Ohio State University, you were appointed as the eleventh President of The Ohio State University to take office effective September 1, 1990 at an annual salary of \$155,000. That formal action is being supplemented by this letter of appointment more clearly to delineate material terms and conditions of your employment as President. If you are in agreement, please indicate by signing a copy of this letter and returning it to me.

You are to perform the duties incident to the Office of President of The Ohio State University, including, without limitation, the duties set forth in provisions of the Ohio Revised Code, the Bylaws of the Board of Trustees, the Rules of the University Faculty and other actions of the Board of Trustees. Pursuant to those provisions, your appointment as President is a non-tenure accruing appointment. You will serve at the continuing pleasure of the Trustees on an annual basis. Your performance and your salary will be reviewed annually coincident with consideration for annual appointment. Other reviews of your performance as President may be conducted in the discretion of the Chairman of the Board or by vote of a majority of the Board of Trustees.

With your appointment as President, you will be simultaneously granted tenure as a full professor in an appropriate department to be determined by the Trustees, the Provost and by you. Though you will receive no salary for the tenured appointment during the time you are President, you are protected by the rules governing termination of tenured faculty.

Subject to legislative appropriations where necessary, effective September 1, 1990, your annual salary as President will be paid in twelve equal monthly installments, in accordance with the rules and regulations of the University. There will also be funded for you a deferred compensation account of \$20,000 per year for each year of full-time employment. The deferred amount will be credited to a reserve for you on the University books on or before August 30 of each year of full employment.

Your duties will include performing activities related to maximizing the productivity and benefits of alumni and community support, including University-related and public relations functions of the President's Office (resource development). Principally, this involves promoting the University, enhancing its image with the public, and reaching out to various existing and potential constituencies for financial and other support.



As an accommodation to and for the convenience of the University in having the functions of the office of President most efficiently discharged, you will reside in a house provided by the University. The house will be suitable to the President's position and obligations. The preference of you and your wife will be carefully considered in choosing it. Modest living quarters in that facility will be provided to you and your family. The University will maintain it and the grounds on which it is located, providing staff, utilities, furniture, furnishings and insurance, as well as any remodeling necessary to make it suitable for University functions. Staff, equipment, and supplies will be provided sufficient to operate the facility and support the functions to be held in it. This will include, among other things, housekeeping services, and operating expense budgets commensurate with the unusually extensive financial and human resource development efforts you are required to undertake.

Health, disability, and life insurance, along with vacation and sick leave and dependent fee authorization will be provided for you at the same levels and on the same conditions as provided all senior faculty and senior staff members. Until you and your family have been covered under The Ohio State University's health insurance plans long enough to remove the exclusion for pre-existing conditions, continuation of prior coverage at the University of Colorado for any family member with a pre-existing condition will be paid for by this University.

In furtherance of fulfilling your obligations as President for travel on official business, you will be provided a full or intermediate size car and a driver to operate it, when requested by you. Another car will be provided for official use by you or your spouse and for personal use to the extent you desire. You will be expected to buy liability insurance to cover the latter car and you are to provide gasoline and oil when using the car for personal use. You should maintain a log book to accurately reflect the amount and nature of official use.

Likewise you will receive full reimbursement for all reasonable business expenses for entertainment and other official functions including, but certainly not limited to, luncheons, receptions, dinners, official functions for University officials, staff, alumni, friends and those doing business with or recruited by the University. This includes reimbursement for all official travel and incidental expenses consistent with University policy guidelines, for you and your spouse.

Contributions to the State Teachers Retirement System in which you will participate will be made on your behalf according to the provisions of the Ohio Revised Code.

All reasonable expenses incurred by you in the transition from Colorado to Columbus, Ohio, will be reimbursed, including the cost of moving you and your family, your household furniture and personal effects and also expenses for a reasonable number of trips back and forth to Denver to complete business affairs and to arrange transfer of family health therapy programs. In addition, you will receive reimbursement for reasonable attorneys fees and expenses incurred in evaluating, negotiating and memorializing the new employment relationship.

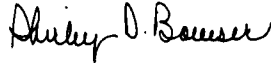
As mentioned earlier, you will be required to live in and use the official residence provided by the University and to use the automobile provided for official functions. Should any questions or concerns arise in connection with use of either, you should consult with the Chairman of the Personnel Committee of the Board of Trustees.

July 6, 1990  
Dr. E. Gordon Gee  
Page 3

Your appointment has been received in an extraordinarily, positive way, both in the University community and the community at large. We are looking forward with great anticipation to your arrival and assumption of your duties as soon as possible. If there is anything we might do to accommodate you in any respect, please let me know.

I wish you all best wishes for a great future at The Ohio State University.

Sincerely,



Shirley D. Bowser  
Chairperson

ACCEPTED:

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E. Gordon Gee

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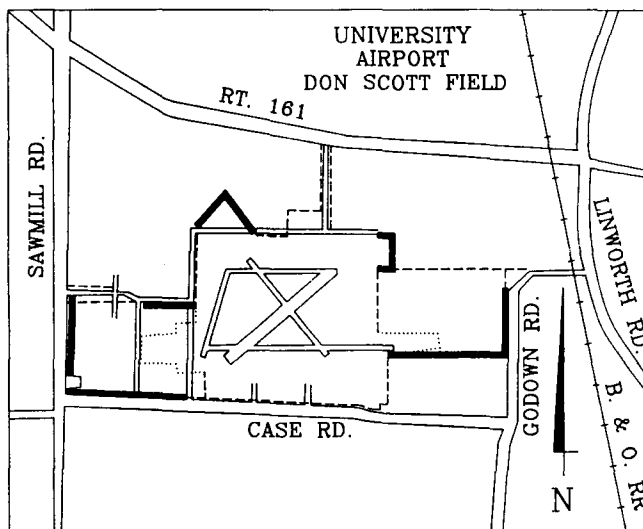
Date

## **APPENDIX IX**

### **UNIVERSITY AIRPORT RENOVATION - 1989**

**Adopted by the Board of Trustees July 6, 1990  
(See page 110)**

# UNIVERSITY AIRPORT RENOVATION - 1989



----- EXISTING FENCE TO REMAIN  
..... FENCE TO BE REMOVED  
———— NEW FENCE

OFFICE OF BUSINESS AND ADMINISTRATION  
JULY 6, 1990

**APPENDIX X**

**Degrees Conferred at**

**THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION**

**August 30, 1990**



## Commencement Speaker

---

### **John B. Gabel** **Professor of English**

John B. Gabel has illuminated the intricacies of some of the world's greatest literature for thousands of Ohio State students over the past 25 years. The embodiment of achievement in teaching, research, and service, Gabel is a noted scholar, an exceptional classroom teacher, and a willing University citizen.

A specialist in the writings of Shakespeare and his contemporaries, Gabel also has taught the English department's course in the English Bible for many years. He has published translations of Renaissance Latin works and critical editions of Renaissance plays. He also is co-author of a major text on the Bible as literature.

Gabel holds master's degrees in English and in Biblical Literature from Ohio State and Wheaton College. After earning his doctorate at Ohio State in 1961, he joined the faculty of the University of Illinois, where he was an assistant professor and director of introductory literature.

He joined Ohio State's faculty in 1965 as an associate professor of English, becoming a full professor in 1969. He was acting department chair in 1968-69 and in 1971. He served as chair of the department from 1972 to 1976. He has also served as associate dean and acting dean of the Graduate School. He has been a member of the Phi Beta Kappa Election Committee since 1985 and served as its president in 1989-90. He recently served as co-chair of Ohio State's Commission on Graduate Education and is currently a member of the Board of Directors of the Friends of the Libraries. In addition, Gabel has chaired or served on a number of significant search committees, including those for dean of the College of Humanities and for both provost and president of the University.

Active in several professional societies, he chaired the 1988-89 Bibliography Section of the Midwest Modern Language Association. He has published a number of monographs, articles, and reviews in his areas of specialty.

The Ohio State University is pleased to welcome this distinguished alumnus, scholar, and teacher as the 313th commencement speaker.

## Recipients of Honors

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### Frank H. Netter Doctor of Arts

As an elucidator of the complexities of human anatomy, Frank H. Netter knows no peer. His superb medical illustrations have enabled generations of anatomists, physiologists, pharmacologists, and physicians to better understand the mysteries of the human body.

Netter began his career as a commercial artist, drawing pictures for calendars, magazines, and advertisements, as well as working with layout, typography, and stage scenic painting. He studied at the National Academy of Design and the Art Student League.

He turned to the study of medicine, believing he was giving up art. After graduating from the New York University School of Medicine and completing an internship and residency at New York City's Bellevue Hospital, he started his surgical practice during the Depression. He began to supplement his income by doing medical illustrations, and, as demand for his illustrations increased, he eventually gave up surgery.

In conjunction with CIBA-GEIGY Pharmaceutical Company, Dr. Netter has created the widely acclaimed *CIBA Collection of Medical Illustrations*, which pictures all the anatomy, embryology, physiology, pathology, and diseases of mankind, system by system. He has completed seven volumes and is at work on a three-part eighth volume dealing with the musculoskeletal system. Dr. Netter has also illustrated for the magazine *Clinical Symposia*. His more than 4,000 medical illustrations, noted for their clarity of concept and meticulous execution, make him one of the most influential physicians of all time.

Dr. Netter has received numerous honors and awards in art and medicine throughout his career, including honorary degrees from the New Jersey College of Medicine and Dentistry, Georgetown University, and the University of Sherbrooke, Canada. In 1986, the Netter Library was dedicated at CIBA-GEIGY's headquarters in Summit, N.J.

Netter now lives and works in Palm Beach, Fla., and has traveled extensively to gather information for his illustrations. The Ohio State University proudly recognizes this eminent scientist, influential educator, and gifted artist.

### Robert W. Wissler Doctor of Science

Robert W. Wissler has gained the respect of colleagues and students alike during his long and distinguished career as a clinical and experimental pathologist. A 1939 graduate of Earlham College in Indiana, Wissler entered the University of Chicago School of Medicine that same year. His studies were interrupted during World War II when he withdrew to do Armed Forces-sponsored nutritional and immunologic research for which he received civilian honors in 1944.

After earning his M.S., Ph.D., and M.D. degrees from the University of Chicago, Wissler remained in that university's Department of Pathology. In 1957 he was named full professor and chairman, a position he held for 15 years. He also has served as scientific director of the Specialized Center of Research in Atherosclerosis at the University of Chicago, as program director of several training programs, and is emeritus Donald N. Pritzker Distinguished Service Professor of Pathology.

Wissler's ground-breaking work in the pathogenesis of atherosclerosis has had profound impact on modern medicine. He is a pioneer in advocating nutritional modifications of the American diet to decrease incidence and extent of atherosclerosis. In 1985 he was named program director of a \$25 million multicenter cooperative study on the "Pathobiological Determinants of Atherosclerosis in Youth," sponsored by the National Heart, Lung, and Blood Institute. As a result of his support, The Ohio State University Biomedical Engineering Center was designated a central laboratory for the study.

His many original contributions to the fields of nutrition, immunology, pathology, and experimental pathology are reflected in an extensive bibliography of published works. He has held academic appointments as a visiting scientist throughout the world, including Switzerland, Japan, and Australia, and his many honors include honorary degrees from the University of Siena in Italy and the University of Heidelberg in Germany. Wissler received the American Medical Association Joseph B. Goldberger Award In Human Nutrition in 1979 and the American Association of Pathologists Gold Headed Cane Award in 1983.

He is an enthusiastic teacher and tireless promoter of training opportunities in his field. More than 150 students, from undergraduates to residents, have passed through his laboratory over the last 40 years. It is fitting that The Ohio State University honor this eminent scientist, teacher, and humanitarian.



## Recipients of Honors

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### **Francille M. Firebaugh Distinguished Service Award**

A scholar of international repute, Francille M. Firebaugh has travelled the world in search of better understanding of the family system. On the homefront, she has been an efficient and productive university administrator, first at Ohio State and now at Cornell University.

Firebaugh was named dean of Cornell's College of Human Ecology in 1988, the seventh person to hold that title in the college's 65-year history. She received her Ph.D in home economics from Cornell in 1962 after completing her undergraduate studies at the University of Arkansas and receiving her master's degree from the University of Tennessee.

A specialist in home management and family economics, Firebaugh joined the Ohio State faculty in 1962 as assistant professor in the School of Home Economics, and became a full professor in 1969. During her 26 years at Ohio State, Firebaugh served the University in a variety of key academic and administrative positions, including director of the School of Home Economics (now the College of Human Ecology); associate dean of the College of Agriculture and Home Economics; acting vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; associate and acting provost; and, finally, as vice provost for international affairs.

Firebaugh's contributions to The Ohio State University community were invaluable in helping to create the Office of International Affairs in 1984, in elevating home economics to college status, in utilizing the Molly Caren Agricultural Center as permanent site of the Ohio Farm Science Review, and in planning for the University's part in the 1992 celebrations.

Her academic life has always had a global perspective. Teaching and consultancies have taken her to Afghanistan, Egypt, India, and Malaysia. In 1988, Phi Beta Delta, an honor society for international affairs, awarded her its first Faculty Award for Outstanding Accomplishments. She is listed in *Who's Who of American Women* and *Who's Who of America*. As a family resource management specialist, she has authored or co-authored numerous scholarly articles and co-authored two books.

## The Graduate School

Dean: Roy A. Koenigsnecht

### Doctor of Musical Arts

**Joyce Francine Davis**, Middleport; B.Mus. (Florida State University); M.Mus. (Northwestern University); *Music*  
Dr. Richard E. Burkart

### Doctor of Philosophy

**Susan Renee Abbott**, Marion; B.S. (Bowling Green State University); M.S. (Corpus Christi State University); *Education*  
Dr. Timothy E. Heron

**Kevin Edward Anderson**, Toledo; B.S. (University of Toledo); M.A.; *Psychology*  
Dr. Lyle D. Schmidt

**Sonny Sultan Ariss**, Toledo; B.B.A., M.B.A. (University of Toledo); *Business Administration*  
Dr. Jeffrey D. Ford

**Martha Addison Armstrong**, Columbus; B.A. (Ohio Dominican College); M.S.W. (Boston College); *Social Work*  
Dr. Beverly G. Toomey

**Michael Stewart Bailey**, Atlanta; G.A.; B.A. (Clark College); M.A., M.A., M.A.; *Political Science*  
Dr. Samuel C. Patterson

**David Francis Bais**, Powell; B.S.Ed., M.A.T. (Bowling Green State University); *Education*  
Dr. I. Phillip Young

**Julie Ann Barnes**, Mansfield; B.S., B.S.Ed., M.A., M.S. (Bowling Green State University); *Computer and Information Science*  
Dr. Sandra A. Mamrak

**Robert Craig Boldry**, Columbus; B.S.Pharm., M.S.; *Pharmacy*  
Dr. Norman J. Uretsky

**Kenneth Aubrey Borokhovitch**, Bethel; B.A., M.B.A.; *Business Administration*  
Dr. Rene M. Stulz

**Christopher Paul Bowers**, St. Marys; B.A. (Kenyon College); *Chemistry*  
Dr. Prabir K. Dutta

**Pamela Jelly Boyers**, Plain City; B.S.Nurs. (Royal Masonic School of Nursing); M.A.; *Education*  
Dr. Joseph J. Quaranta

**Tinia Michelle Bradshaw**, Columbus; B.S.Ed., M.A.; *Sociology*  
Dr. J. Craig Jenkins

**Rhonda Reagh Brode**, Mt. Vernon; B.A., M.S.W.; *Social Work*  
Dr. Roberta G. Sands

**Charles Wayne Brown**, Columbus; B.S. (University of Texas at Arlington); M.S. (Oklahoma State University); *Computer and Information Science*  
Dr. Richard E. Parent

**Jocelyn Maree Brown**, Lexington; B.A. (Wittenberg University); M.A.; *Education*  
Dr. Jack A. Naglieri

**Pamela Ann Burdette**, Georgetown, KY; B.S. (Kentucky State University); M.S.; *Human Ecology*  
Dr. Joan E. Gritzmacher

**Don Edward Burgess**, Friendsville, PA; B.S. (Pennsylvania State University); *Physics*  
Dr. Fernand A. Hayot, Dr. William F. Saam

**Sandra Roberts Byers**, Worthington; B.S.N. (Cornell University); M.S.; *Education*  
Dr. Brad L. Mitchell

**Susan Elaine Calovini**, Glencoe; B.S. (Ohio University); M.A.; *English*  
Dr. James P. Phelan

**Animesh Chakraborty**, Calcutta, India; M.S. (Indian Institute of Technology); *Physics*  
Dr. Arthur J. Epstein

**Kalok Chan**, Hong Kong, Hong Kong; B.S. (Chinese University of Hong Kong); *Business Administration*  
Dr. Rene M. Stulz

**Susanne Roberta Chandler**, Columbus; B.M. (California State University); M.A. (University of California at Davis); *Education*  
Dr. Judith L. Green

**Amy Ruth Chivington**, Miamisburg; B.Mus.Ed. (Otterbein College); M.A.; *Music*  
Dr. Patricia J. Flowers

**Chien Chou**, Taipei, Taiwan, R.O.C.; B.A. (National Taiwan University); M.S.Ed. (Indiana University); *Education*  
Dr. Marjorie A. Cambre

**John David Chovan**, Columbus; B.S.Aud.Rec., B.S.E.E., M.S.; *Biomedical Engineering*  
Dr. Manjula B. Waldron

**Li-Li Chu**, Taipei, Taiwan, R.O.C.; B.A., M.A. (National Cheng-chi University); *Education*  
Dr. John C. Belland

**Jennifer Peskind Cochran**, Cleveland; B.A. (Indiana University); M.A.; *Education*  
Dr. Judith L. Green

**Elaine Constance Collins**, Columbus; B.A. (University of California at Los Angeles); M.A. (University of California at Davis); *Education*  
Dr. Judith L. Green

**Kathryn Ann Corl**, Johnstown, PA; B.A. (Slippery Rock State College); M.A.; *Education*  
Dr. Neil F. Johnson, Dr. Gilbert A. Jarvis

**Jose Filipe Garcia Correia Guedes**, Lisbon, Portugal; B.A. (Portuguese Catholic University); M.A.; *Business Administration*  
Dr. Rene M. Stulz

**Daniel Gerard Danahey**, Frankfort, IL; B.S. (Saint John's University); *Anatomy*  
Dr. Robert M. DePhilip

**Andrew Lee Deputy**, Fort Wayne, IN; B.S. (Indiana University); *Chemistry*  
Dr. Richard L. McCreery

**Arthur Robert Dernbach**, Worthington; B.S., M.S. (Oregon State University); *Health, Physical Education and Recreation*  
Dr. W. Michael Sherman

**Sulayman Daoud Dib-Hajj**, Beirut, Lebanon; B.S., M.S. (The American University of Beirut); *Molecular, Cellular, and Developmental Biology*  
Dr. Philip S. Perlman

**Joseph Anthony DiDonato**, Akron; B.A. (Hiram College); M.S. (University of Akron); *Molecular, Cellular, and Developmental Biology*  
Dr. Mark T. Muller

**Kimberly Sue Druschel**, Slippery Rock, PA; B.A. (Franklin and Marshall College); *Mathematics*  
Dr. Michael W. Davis

**Penelope Higgins Dunham**, Columbus; B.A. (Saint Mary-of-the-Woods College); M.S.; *Education*  
Dr. Alan R. Osborne

**Kathryn A. Eaton**, Columbus; B.A. (Amherst College); D.V.M. (Tufts University); *Veterinary Pathobiology*  
Dr. G. Steven Krakauka

**Michael L. Fisher**, New Philadelphia; B.S. (Kent State University); *Astronomy*  
Dr. Gary J. Ferland

**Maureen Patricia Fitzgerald**, Des Moines, IA; B.A. (Saint Mary's College); M.A.; *Health, Physical Education and Recreation*  
Dr. Mary Ann Sagaria, Dr. Barbara A. Nelson

**Karen Lynn Fligner**, Columbus; B.S.H.E., M.S.; *Food Science and Nutrition*  
Dr. Michael E. Mangino

**Alan Hunter Forrest**, Glasgow, Scotland; B.A. (Trinity College); *Mathematics*  
Dr. V. Bergelson

**Howard Ezra Frost III**, Nashville, TN; B.A. (University of Virginia); M.A. (George Washington University); *Political Science*  
Dr. Richard K. Herrmann

**Lawrence Jay Gaber**, Worthington; B.S., M.S. (Ben-Gurion University); *Geology and Mineralogy*  
Dr. Kenneth A. Foland

**Luis Rene Galindo**, Nogales, AZ; B.A., M.Ed. (University of Arizona); *Education*  
Dr. Diane E. DeFord, Dr. Celia Genishi

**Xin Ge**, Heilongjiang, P.R.C.; B.A., M.S. (Northeast Agricultural College); *Plant Pathology*  
Dr. Donald T. Gordon

**Lorna Montie Gerhart**, Cleveland; B.A. (Oberlin College); M.A.; *Political Science*  
Dr. Brian M. Pollins

**Yvonne M. Gillette**, Toledo; B.Ed. (University of Toledo); M.A.; *Speech and Hearing Science*  
Dr. Robert A. Fox

**Ralph Edward Goddard, Jr.**, East Liverpool; B.S.E.E., M.S.; *Electrical Engineering*  
Dr. Hooshang Hemami

**Alan Lawrence Golden**, Richmond, VA; B.A., M.A. (University of Richmond); *History*  
Dr. Merton L. Dillion

**Davis Michael Graham**, Frankfort, KY; A.B. (Berea College); M.S.W.; *Social Work*  
Dr. Nolan J. Rindfleisch

**Deborah Lynn Gray**, Worthington; B.S., M.S.; *Veterinary Physiology and Pharmacology*  
Dr. Robert L. Hamlin, Dr. Diane Gerken

**Tim D. Griffin**, Columbus; B.Mus., M.A. (Western Michigan University); *Education*  
Dr. Laurine E. Fitzgerald

**John Robert Hageman**, Cincinnati; B.A. (Thomas More College); M.S. (Western Kentucky University); *Zoology*  
Dr. David L. Stetson

**Eleanor Casagrande Handershan**, Spring Lake, NJ; B.S.Ed. (University of Delaware); M.A. (California State University); *Education*  
Dr. Celia Genishi

**Nagy Fouad Hanna**, Cairo, Egypt; B.S. (Ain Shams University); M.S.; *Engineering Mechanics*  
Dr. Arthur W. Leissa

**Douglas Eugene Harms**, Muskingum; B.S. (Muskingum College); M.S.; *Computer and Information Science*  
Dr. Bruce W. Weide

**Jeff Eugene Harris**, Hastings, NE; B.A. (DePauw University); M.A. (Southern Illinois University); *Psychology*  
Dr. Martin Hiesacker, Dr. Nancy E. Betz

**Dayna Terri Heath**, Winneconne, WI; B.A., M.S. (University of Wisconsin at Madison); *Human Ecology*  
Dr. Patrick C. McKenry

**Hamdy Ahmed Helal**, Al Mansoura, Egypt; B.S., M.S. (Mansoura University); M.S.; *Zoology*  
Dr. David A. Culver

**Hsiaofen Hemstock**, Taipei, Taiwan, R.O.C.; B.A. (National Cheng-chi University); M.A.; *Political Science*  
Dr. R. William Liddle

**Karen J. Du Bois Heusel**, Belmont; B.S.Nurs., M.S.; *Nursing*  
Dr. Edna M. Menke

**Gary Joseph Heydinger**, New Washington; B.S.M.E., M.S.; *Mechanical Engineering*  
Dr. Dennis A. Guenther

**Kueichien Chiang Hill**, Kaohsiung, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Electrical Engineering*  
Dr. Prabhakar H. Pathak

**Jean Durliat Hines**, Bowling Green; B.S., M.Ed. (Bowling Green State University); *Human Ecology*  
Dr. Kathryn A. Jakes

**Brandon Scott Huneycutt**, Rock Hill, SC; B.S. (Winthrop College); *Medical Microbiology and Immunology*  
Dr. John F. Sheridan

**Michael Edward Huston**, Manchester; B.S. (Otterbein College); *Chemistry*  
Dr. Anthony W. Czarnik

**Scott E. Ishman**, Kane, PA; B.S. (Indiana University of Pennsylvania); M.S.; *Geology and Mineralogy*  
Dr. Peter N. Webb

**Leonidas P. Ivrisimtzis**, Thessaloniki, Greece; Diploma (Aristotle University of Thessaloniki); M.S.; *Electrical Engineering*  
Dr. Leon Peters, Jr.

**Yasushi Iwakata**, Hino-Shi, Japan; B.A. (International Christian University); *Mathematics*  
Dr. Koichiro Harada

**Aurora Pearl Jackson**, Cincinnati; B.A. (Fisk University); M.S. (University of Wisconsin at Milwaukee); *Social Work*  
Dr. Virginia E. Richardson

**Jung Jing**, Tainan, Taiwan, R.O.C.; B.S., M.S. (National Taiwan University); *Agronomy*  
Dr. Terry J. Logan

**Jane Beatrice Johnsen**, Lebanon; B.A. (Wittenberg University); B.S.Ed., M.A.; *Education*  
Dr. Gail McCutcheon, Dr. William D. Taylor

**Mark Steven Johnson**, Wheaton, IL; B.S. (Arizona State University); M.S. (University of Arizona); *Dairy Science*  
Dr. Joseph S. Ottobroe

**Ismail Ibrahim Jouny**, Beirut, Lebanon; B.Sc. (Beirut Arab University); M.S.; *Electrical Engineering*  
Dr. Randolph L. Moses

**Junmo Kang**, Seoul, South Korea; B.A. (Hong-Ik University); M.C.R.P.; *City and Regional Planning*  
Dr. Jack L. Nasar

**Georgios Karras**, Athens, Greece; B.A. (University of Athens); M.A. (Athens School of Economics and Business); M.A.; *Economics*  
Dr. Paul D. Evans

**Jong Hwa Kim**, Taegu, South Korea; B.S., M.S. (Seoul National University); *Chemistry*  
Dr. Alan G. Marshall

**Youhyuk Kim**, Seoul, South Korea; B.S., M.S. (Korea University); *Chemistry*  
Dr. Andrew A. Wojcicki

**Kirk Thomas Korista**, Worthington; B.S. (University of Illinois); *Astronomy*  
Dr. Bradley M. Peterson

**Augustine Joseph Kposowa**, Bo, Sierra Leone; B.A. (Saint Paul's College); M.A. (University of Cincinnati); *Sociology*  
Dr. Wen L. Li

**Jayanthi Krishnan**, New Dehli, India; B.A., M.A. (University of Delhi); M.A.; *Economics*  
Dr. Donald O. Parsons

**John Paul Kristofco**, Springfield; B.A. (John Carroll University); M.A. (Cleveland State University); *Education*  
Dr. Virgil E. Blanke

**Laurel Ann Lampela**, Yellow Springs; B.S. (University of Wisconsin at Madison); M.Ed. (Wright State University); *Art Education*  
Dr. Arthur D. Efland

**Joan Kay Langholz**, Columbus; B.A. (Indiana University); M.A.; *Education*  
Dr. Celia Genishi

**Ali Lari-Lavassani**, Tehran, Iran; B.Sc., M.Sc. (Université de Toulouse); M.Sc. (Université Laval); *Mathematics*  
Dr. Yung-Chen Lu

**Veronica Webb Leahy**, Columbus; B.A. (Worcester State College); M.A.; *English*  
Dr. David G. Rade

**William Edward Leibfritz**, Mansfield; B.S. (Ohio University); M.A.; *Education*  
Dr. Lorren L. Stull

**Alan Todd Levenson**, Columbus; B.A., M.A. (Brown University); *History*  
Dr. Marc Lee Raphael

**Gregory Alan Levitt**, Memphis, TN; B.A. (Capital University); M.A.; *Education*  
Dr. M. Eugene Gilliom

**Yuhui Li**, Sichuan, P.R.C.; Bachelor's (Sichuan Foreign Language Institute); M.A. (Ohio University); *Sociology*  
*Dr. Kent P. Schwirian*

**Warren Grogger Lieuallen**, Branchburg, NJ; B.S. (University of Maryland); D.V.M.; *Veterinary Pathobiology*  
*Dr. Steven E. Weisbrode*

**Chi-Yuan Lin**, Tainan, Taiwan, R.O.C.; B.S. (Taiwan University); M.B.A. (National Cheng-chi University); *Agricultural Economics and Rural Sociology*  
*Dr. Norman Rask*

**Xianming Liu**, Jianyang, P.R.C.; B.S. (Sichuan University); *Chemistry*  
*Dr. Terry A. Miller*

**Jacalyn Lea Lund**, Ludington, MI; B.S. (Michigan State University); M.S. (University of Northern Colorado); *Health, Physical Education and Recreation*  
*Dr. Daryl L. Siedentop*

**Margaret Robinson Lynd**, Columbus; B.A. (Antioch College); M.A.; *English*  
*Dr. James P. Phelan*

**Susan Regina Mallory**, Columbus; B.S., M.A., D.D.S.; *Pathology*  
*Dr. Ralph E. Stephens*

**Palanivel Manoharan**, Seshanchavady, India; B.Sc. (University of Madras); M.Phil. (Panjab University); M.S.; *Mathematics*  
*Dr. Dan Burghelra*

**Phillip John Martell**, Columbus; B.S. (University of Wisconsin at Madison); M.S. (Iowa State University); *Astronomy*  
*Dr. Ronald H. Knitchuck*

**Martha Ellen Mather**, Columbus; B.S. (Denison University); M.S.; *Zoology*  
*Dr. Roy A. Stein*

**David Michael Miller**, Lancaster; B.S.Met.E., M.S.; *Metallurgical Engineering*  
*Dr. Robert A. Rapp*

**Richard Russell Muller**, New Providence, NJ; B.A. (Franklin and Marshall College); M.A.; *History*  
*Dr. Williamson Murray*

**John Patrick Murray**, Watertown, NY; B.A. (State University of New York at Potsdam); M.A. (Arizona State University); *Education*  
*Dr. William W. Wayson*

**Ralph Gerald Nelms**, Stone Mountain, GA; B.A., M.F.A. (University of North Carolina at Greensboro); *English*  
*Dr. Andrea A. Lunsford*

**Mark William Nelson**, Des Moines, IA; B.B.A. (Iowa State University); M.A.; *Accounting and Management Information Systems*  
*Dr. Andrew D. Bailey, Jr.*

**Frank Daniel Nevius**, Springfield; B.S.Bus.Adm. (Bowling Green State University); M.S. (University of Oregon); *Communication*  
*Dr. Joseph M. Foley*

**Philipp Martin Niedenzu**, Lexington, KY; B.A. (University of Kentucky); *Chemistry*  
*Dr. Sheldon G. Shore*

**Eric Richard Niler**, Cleveland; B.A. (State University of New York at Albany); M.A.; *Psychology*  
*Dr. Steven J. Beck*

**Nancy Ryan Nussbaum**, Middlebury, IN; B.A. (Goshen College); M.Ed. (University of Arizona); *Education*  
*Dr. Diane E. DeFord*

**Anthony Frank Obradovich**, Portland, OR; B.A. (Gonzaga University); M.A.; *Psychology*  
*Dr. Lyle D. Schmidt*

**Beatrice Adwoa Afedziwa Okyere**, Winneba, Ghana; B.Ed., M.Ed. (University of Cape Coast); *Education*  
*Dr. Timothy E. Heron*

**Hoo Dennis Ong**, Hong Kong, Hong Kong; B.S.E.E., M.S.; *Electrical Engineering*  
*Dr. Hooshang Hemami*

**Mumtazah Othman**, Johor Bahru, Malaysia; B.S. (Louisiana State University); M.S.; *Human Ecology*  
*Dr. Fern E. Hunt*

**Hsin-Yi Ou-Yang**, Taipei, Taiwan, R.O.C.; B.A. (Fu-jen Catholic University); M.A. (National Cheng-chi University); M.A.; *Sociology*  
*Dr. Wen L. Li*

**Susan Palmer**, Centerburg; B.S. (Otterbein College); M.A.T. (Johns Hopkins University); *Education*  
*Dr. Arthur L. White*

**Jehoon Park**, Seoul, South Korea; B.A., M.A. (Seoul National University); M.A.; *Economics*  
*Dr. Warren W. Eason*

**Yune Bae Park**, Taegu, South Korea; B.S., M.Ed. (Kyungpook National University); *Education*  
*Dr. Arthur L. White*

**Allen Scott Parrish**, Columbus; B.S. (University of Tennessee); M.S.; *Computer and Information Science*  
*Dr. Stuart H. Zweben*

**Daniel Mark Pavuk**, Rossford; B.S. (Bowling Green State University); M.S.; *Entomology*  
*Dr. Benjamin R. Stinner*

**John Edward Peters**, Dover; B.A. (Otterbein College); M.S.; *Microbiology*  
*Dr. Darrell R. Galloway*

**Khing Fong Phan**, Purwakarta, Indonesia; B.S. (Parahyangan Catholic University); M.S.; *Civil Engineering*  
*Dr. Ranbir S. Sandhu*

**Barbara Jaszczuk Polivka**, Sunbury; B.S.N., M.S. (University of Cincinnati); *Nursing*  
*Dr. Jennie L. Nickel*

**Juan Pablo Prieto-Cox**, Santiago, Chile; Licenciado (Universidad de Chile); M.S.; *Mathematics*  
*Dr. John S. Hsia*

**Suksan Prombanpong**, Bangkok, Thailand; B.E. (King Mongkut's Institute of Technology); M.S.; *Industrial and Systems Engineering*  
*Dr. Albert B. Bishop*

**Shayne Pearce Quick**, Melbourne, Victoria, Australia; B.App.Sci. (Footscray Institute of Technology); B.Ed. (Gippsland Institute of Technology); M.A. (University of Western Ontario); *Health, Physical Education and Recreation*  
*Dr. Melvin L. Adelman*

**Karen Elizabeth Rader**, Columbus; B.S.Ed., M.A. (Bowling Green State University); *Education*  
*Dr. Gilbert A. Jarvis*

**Heber M. Ramer**, Hesston, KS; B.S.Ed., M.S. (Pittsburg State University); *Education*  
*Dr. E. Keith Blankenbaker*

**Lewis Anthony Randolph**, Cincinnati; B.A. (Central State University); M.A. (University of Illinois); *Political Science*  
*Dr. Randall B. Ripley*

**Lisa Lynn Ransdell**, Chillicothe; B.A., M.A.; *Sociology*  
*Dr. Verta A. Taylor*

**Marilyn Noreen Raphael**, Sangre Grande, Trinidad & Tobago; B.A. (McMaster University); M.A.; *Geography*  
*Dr. Jeffrey C. Rogers*

**Matt Robert Raven**, Brooks, CA; B.S. (University of California at Davis); M.S. (Kansas State University); *Agricultural Education*  
*Dr. R. Kirby Barrick*

**Sean Michael Reardon**, Worthington; B.A., M.A.; *Education*  
*Dr. Jack A. Naglieri*

**Ronald Jay Rice**, Pittsburgh, PA; B.S. (Purdue University); M.S.; *Chemistry*  
*Dr. Richard L. McCreery*

**Susan Rae Rieger**, Dayton; B.S. (Bowling Green State University); M.Ed. (University of Dayton); *Education*  
*Dr. Nancy L. Zimpher*

**Susan Mary Robbins**, North Conway, NH; B.S.Ed., M.Ed. (Keene State College); *Human Ecology*  
*Dr. Janet F. Laster*

**Fernando Rodriguez-Villegas**, Buenos Aires, Argentina; Licenciatura (Universidad Buenos Aires); *Mathematics*  
Dr. Warren M. Sinnott

**Vichai Rojanavanich**, Bangkok, Thailand; B.S.M.E., M.S.; *Mechanical Engineering*  
Dr. Richard L. Stalnaker

**Jatinder Singh Sandhu**, Ludhiana, Punjab, India; B.A., M.A. (State University of New York); *Geography*  
Dr. Duane F. Marble

**Obed Scott Sands**, Columbus; B.S.E.E., M.S.; *Electrical Engineering*  
Dr. Dean T. Davis, Dr. Fred D. Garber

**Mary Mullaney Schnell**, St. Paul, MN; B.S. (Lynchburg College); M.S. (Marquette University); *Psychology*  
Dr. David Hammer

**Allaire Crook Shaw**, Gainesville, FL; B.A. (University of Florida); M.A.; *Geography*  
Dr. Morlon E. O'Kelly

**Yu-Lin Shen**, Kaohsiung, Taiwan, R.O.C.; B.S., M.S. (National Cheng Kung University); M.S.; *Metallurgical Engineering*  
Dr. Paul G. Shewmon

**Ying-yu Sheu**, Tainan, Taiwan, R.O.C.; B.A. (National Taiwan University); M.A.; *Linguistics*  
Dr. David R. Dowty

**Billie Jane Shire**, Hammond, IN; A.B., M.S. (Miami University); *Psychology*  
Dr. David Hammer

**Chris Eric Shuchart**, New Freedom, PA; B.S. (Shippensburg University); *Chemistry*  
Dr. Andrew A. Wojcicki

**Vincent James Sidoti**, Rocky River; B.Mus. (Cleveland Institute of Music); M.Mus.; *Music*  
Dr. Jere Forsythe

**Sue Perrott Siferd**, Tempe, AZ; B.S. (Denison University); M.B.A. (Wright State University); M.A.; *Business Administration*  
Dr. Larry P. Ritzman

**Muralidharan Sitaraman**, Madras, India; B.Eng. (University of Madras); M.Eng. (Indian Institute of Science); *Computer and Information Science*  
Dr. Bruce W. Weide

**Katherine Sue Smith**, Belpre; B.S. (University of Dayton); *Food Science and Nutrition*  
Dr. Karla L. Roehrig

**Micheline Antolino Smith**, Granville; B.S.Ed., M.A.; *Education*  
Dr. Judith L. Green

**Ogmundur Snorrason**, Akureyri, Iceland; Diploma (University of Iceland); M.S.; *Electrical Engineering*  
Dr. Fred D. Garber, Dr. Dean T. Davis

**Marilyn Sawyer Sommers**, Loveland; B.S.N. (University of Pennsylvania); M.A. (New York University); *Nursing*  
Dr. Joanne S. Stevenson

**Ronald Melvin Stammen**, Crosby, ND; B.S.Ed. (Minot State University); M.Ed. (University of North Dakota); *Vocational Education, Comprehensive Program*  
Dr. Aaron J. Miller

**Alan Gordon Stavitsky**, Columbus; B.A. (University of Wisconsin at Madison); M.A.; *Communication*  
Dr. Thomas A. McCain

**Kent Donald Sternitzke**, Bowling Green; B.S. (University of Notre Dame); *Chemistry*  
Dr. Richard L. McCreery

**Heidi Stori**, LaGrange; B.A. (Capital University); M.A.; *Philosophy*  
Dr. Donald C. Hubin

**Richard Joseph Strittmatter**, Silver Spring, MD; B.S. (Wake Forest University); *Chemistry*  
Dr. Bruce E. Burslen

**Laszlo Szabo**, Csongrad, Hungary; Master's (F.A.T.E.); *Mathematics*  
Dr. Louis Sucheston

**Laying Tam**, Hong Kong, Hong Kong; B.S. (University of Hong Kong); M.S.; *Mathematics*  
Dr. Bogdan Baishanski

**Sidney Arthur Thrower**, Columbus, B.A., M.A. (Southeast Missouri State University); *Psychology*  
Dr. Philip M. Clark

**Jen Twu**, Miao-Li, Taiwan, R.O.C.; B.S. (National Tsing Hua University); M.S. (University of Texas at El Paso); *Chemistry*  
Dr. Prabir K. Dutta

**Jone-Juan Tzeng**, Taichung, Taiwan, R.O.C.; M.D. (China Medical College); *Pathology*  
Dr. Rolf F. Barth

**Anthony P. Tzes**, Athens, Greece; B.S.E.E. (University of Patras); M.S.; *Electrical Engineering*  
Dr. Steve Yurkovich

**Scott Allen Van Arman**, Fremont, MI; B.S. (Michigan State University); *Chemistry*  
Dr. Anthony W. Czarnik

**Julia Alayne Wehner Wallace**, New Concord; B.S. (Purdue University); M.A. (University of Mississippi); *Human Ecology*  
Dr. Ellen Hock

**Jin-kun Wang**, Taoyuan, Taiwan, R.O.C.; B.S.E.E. (National Cheng Kung University); M.S.; *Electrical Engineering*  
Dr. Fusun Oguner

**Tzzy-Ming Wang**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Mechanical Engineering*  
Dr. Seppo A. Korpela

**James Ward**, Wilmington; B.S. (University of Dayton); M.S.; *Electrical Engineering*  
Dr. Ralph T. Compton, Jr.

**Mary Margaret Weber**, DeSoto, MO; B.S.Med.Tech. (Central Methodist College); M.B.A. (Virginia Polytechnic Institute and State University); M.A.; *Business Administration*  
Dr. Bernard J. LaLonde

**Yong Wei**, Liuzhou, P.R.C.; B.S. (Shanghai First Medical College); *Pharmacy*  
Dr. Donald T. Witak

**Wolfgang Wenzel**, Hagen, West Germany; Vordiplom (Ruhr University Bochum); M.S.; *Physics*  
Dr. Ciriya Jayaprakash

**Monica Menne White**, Richmond, VA; B.A. (University of Missouri); M.A.; *Psychology*  
Dr. W. Bruce Walsh

**Linda Lou Wiggins**, Columbus; B.A., M.A.; *English*  
Dr. David O. Frantz

**Debra B. Williamson**, Portsmouth, VA; B.S. (Virginia State University); M.A.; *Education*  
Dr. William Moore, Jr.

**Arlette Ingram Willis**, Warren; B.S. (Kent State University); M.A.; *Education*  
Dr. Victor M. Rental

**Dorothy Kay Wimsatt**, Columbus; B.S. (Western Kentucky University); M.S.; *Pathology*  
Dr. Gerald P. Brierley

**Susannah Worth**, Washington, DC; B.A. (Schiller College); M.S. (University of Rhode Island); *Human Ecology*  
Dr. Lucy R. Sibley

**Cheng-Shiung Jesse Wu**, Tainan, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S., M.S.; *Computer and Information Science*  
Dr. Eltan M. Guran

**Yiing-Mei Wu**, Kaohsiung, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S. (National Sun Yat-Sen University); M.S.; *Metallurgical Engineering*  
Dr. Robert A. Rapp

**Zhiguo Wu**, Shenchu, P.R.C.; B.S., M.S. (Shanxi Agricultural University); *Dairy Science*  
Dr. Donald L. Palmquist

**Xiao Ming Xu**, Shanghai, P.R.C.; M.Med. (Shanghai Second Medical University); *Anatomy*  
Dr. George F. Martin

**Zhongde Yan**, Shanghai, P.R.C.; B.S. (Fudan University); M.S.; *Mathematics*  
Dr. Louis Sucheston

**Min-Bong You**, Seoul, South Korea; B.A. (Sung Kyun Kwan University); M.P.A. (University of Texas at Austin); *Public Policy and Management*  
Dr. Robert W. Backoff

**James Lawrence Young**, Kokomo, IN; B.S. (Purdue University); *Molecular Genetics*  
Dr. George A. Marzluf

**Jenn-Hwa Yu**, Taipei, Taiwan, R.O.C.; B.S. (National Central University); M.S.; *Mathematics*  
Dr. Boris G. Pittel

**Dae-Sic Yun**, Taegu, South Korea; B.A. (Yeungnam University); M.C.R.P. (Seoul National University); *City and Regional Planning*  
Dr. Philip A. Viton

**Haichao Zhang**, Luoyang, P.R.C.; B.S. (Nankai University); *OSU Biochemistry Program*  
Dr. Lee F. Johnson

**Suzanne Marks Zilber**, Cleveland; B.A. (Duke University); M.A.; *Psychology*  
Dr. Samuel H. Osipow

**Jenny Jane Zorn**, Sidney; B.A. (Flagler College); M.A.; *Geography*  
Dr. Emilio Casetti

## Master of Applied Statistics

**Rosanne M. Merriman**, Rochester, NY; B.A. (State University of New York at Geneseo); *Statistics*

## Master of Arts

**Lisa Marie Abdullahi**, Columbus; B.S.; *Education*

**Christine Georgian Achenbach**, Miami Lakes, FL; B.A. (University of Florida); *Education*

**Melinda Tucker Alexander**, Columbus; B.S.Ed. (Bowling Green State University); *Education*

**Antoinette Marie Allison**, Columbus; A.B. (West Liberty State College); *Education*

**Mohammed Saeed Al-Shahrany**, Abha, Saudi Arabia; B.S. (King Saud University); *Education*

**Barbara Preston Armstrong**, Columbus; B.S.Ed.; *Education*

**Jeffery Leon Armstrong**, Texarkana, TX; B.A. (Prairie View Agricultural and Mechanical University); *Journalism*

**Michael Robert Barcus**, Columbus; B.S.Ed. (Rio Grande College); *Education*

**Lesa Marie Barnes**, Seattle, WA; B.A. (University of Washington); *Economics*

**Denise Marie Barr**, North Canton; B.S. (Kent State University); *Health, Physical Education and Recreation*

**Omar Alexandre Barriga**, Columbus; B.A.; *Sociology*

**Olivier Jean-Bernard Barthelemy**, Cardanne, France; Bachelor's (E.S.C.A.E. Nantes); *Business Administration*

**William Dean Baugh**, Hartland, MI; B.A. (Michigan State University); *Philosophy*

**Barry Eugene Bay**, Delaware; B.A. (Heidelberg College); *Education*

**Susan Elizabeth Beach**, Cincinnati; B.A. (Miami University); *Education*

**Cynthia Kay Bell**, Newark; B.S.Ed.; *Education*

**Andrew George Benson**, Houston, TX; B.S. (Ohio University); *Journalism*

**Roberta Berman**, Bexley; B.A. (Brooklyn College); *Education*

**Linda Marie Bish**, Marion; B.S.Ed.; *Education*

**Carolyn Ann Boesch**, Johnstown; B.S.Ed.; *Education*

**Richard Terrell Bolden**, Columbus; B.S. (Central State University); *Health, Physical Education and Recreation*

**Michael Powell Boley**, Burlington, NC; B.Mus. (University of North Carolina); *Music*

**Donna Rae Bond**, Powell; B.S. (Ohio University); *Education*

**Diane Kay Boring**, Worthington; B.A. (University of Oregon); *Mathematics*

**Sylvia Bower**, Columbus; B.S.Ed.; *Education*

**Thomas Morgan Brunk**, Wauwatosa, WI; B.A. (Carleton College); *Psychology*

**Martha Elliott Brown**, Iowa City, IA; B.A.; *Sociology*

**John Mason Bruce**, Houston, TX; B.S. (Texas Agricultural and Mechanical University); *Political Science*

**Timothy W. Burchfield, Sr.**, Herndon, VA; B.A. (Capital University); *Public Policy and Management*

**Patricia S. Burgie**, Fairfield, IL; B.S.Ed. (Wittenberg University); *Education*

**Eric Donald Burke**, Cincinnati; A.B. (Xavier University); *Classics*

**Leanne Marie Byrd**, Wooster; B.S.Bus.Adm.; *Education*

**Diane Marie Castrejon**, Parma Heights; B.S.Ed.; *Education*

**Jack Paul Cataldo**, Daytona, FL; B.A. (Bethune-Cookman College); *Music*

**Jane Marie Chambers**, Tiffin; B.A. (John Carroll University); *Education*

**Robert Patrick Chase, Jr.**, Olean, NY; B.A. (Saint Bonaventure University); *Journalism*

**Matthew Bruce Christensen**, San Jose, CA; B.A. (Brigham Young University); *East Asian Languages and Literatures*

**James Thomas Clager**, Columbus; B.A.; *Education*

**Patricia Eileen Clay**, Galloway; B.S.Ed.; *Education*

**Jody Lynn Clemens**, New Lexington; B.S.Ed. (Miami University); *Education*

**Susan R. Cline**, Columbus; B.S.Ed.; *Education*

**Nancy Hope Cohn**, St. Louis, MO; B.A. (Bowdoin College); *Education*

**Karen Sandra Cook**, Columbus; B.S.Ed.; *Education*

**Lonnie Paul Coulter, Jr.**, Hickory, NC; B.S.Agr.; *Education*

**Islay Jean Cowie**, Columbus; B.A. (Bradley University); *Linguistics*

**Jean Ann Cupp**, Columbus Grove; B.A. (Heidelberg College); *Education*

**Gayle Elizabeth Cusack**, Columbus; B.S.Ed.; *Education*

**Lisa Marie Cuzdylo**, North Tonawanda, NY; B.S. (Canisius College of Buffalo); *Health, Physical Education and Recreation*

**Natalie Kay Danhoff**, Cardington; B.S.Ed. (Bowling Green State University); *Education*

**David Randall Davies**, Little Rock, AR; B.A. (University of Arkansas); *Journalism*

**Kimberly Ann Davies**, Columbus; B.A., B.A.; *Sociology*

**Mark Thomas Davis**, Columbus; B.A. (Capital University); *Education*

**Roberta Lynn Davis**, Worthington; B.A. (Mount Union College); *Education*

**Norman Venson Deena**, Hempstead, NY; B.A. (Hobart College); *Black Studies*

**Carol Margaret Denney**, Kenilworth, IL; B.A. (Denison University); *Education*

**Julie Ann DeStazio**, Columbus; B.S.Ed.; *Education*

**Todd Daniel De Stigter**, Grand Rapids, MI; B.A. (Calvin College); *English*

**Thomas Joseph Devolve**, Newark; B.S.Ed.; *Education*

**David W. DeWeese**, Columbus; B.Mus.Ed.; *Music*

**Laura Lee Dickson**, Westerville; B.S.Ed.;  
*Education*

**Marie-Helene Lysiane Duhamel**,  
Wasquehal, France; DESCAF (E.S.C.A.E.  
Nantes); *Business Administration*

**Margaret Holt Duncan**, Radcliff, KY;  
B.A. (Morehead State University);  
*Communication*

**Larry Randall Dunlap**, Scio; B.S.;  
*Education*

**Madaline D'Alesio Dunlevy**, Columbus;  
B.A., M.A.; *Education*

**Scott Thomas Ebbrecht**, Lancaster; B.A.  
(Capital University); *Education*

**Luke Paul Kramer Eckrich**, Columbus;  
B.A. (Concordia Lutheran College);  
*Classics*

**Karen Sue Edwards**, Mt. Gilead; B.S.Ed.;  
*Education*

**Jonathan Andrew Elmer**, Columbus;  
B.F.A. (Rochester Institute of Technology);  
*Journalism*

**Theresa Lynn Eraybar**, Worthington;  
B.S.Ed.; *Education*

**Melinda Gay Farry**, Columbus; B.S.Ed.;  
*Education*

**Julie Ann Fastnacht**, Perrysburg; B.S.Ed.;  
*Education*

**Patrick Michael Fischer**, Hamilton, NY;  
B.A. (Springfield College); *Health, Physical  
Education and Recreation*

**Kathleen Nanette Fishbaugh**, Westerville;  
B.S. (Florida Southern College); *Health,  
Physical Education and Recreation*

**Dixie Jo Fisher**, Columbus; B.A.; *Education*

**Margaret Mary Fitzgerald**, Cleveland;  
B.A. (Cleveland State University); *East  
Asian Languages and Literatures*

**Lynda Jean Floehr**, Amlin; B.S. (Bowling  
Green State University); *Education*

**Misty Dawn Flowers**, Marion; B.S.Ed.;  
*Education*

**Judith Jean Fowler**, West Worthington;  
B.S.Ed. (Bowling Green State University);  
*Education*

**Jennifer Rose Fullin**, Columbus;  
B.S.Nat.Res.; *Education*

**Brenda Jean Galant**, Lorain; A.A. (Lorain  
Community College); B.S. (Kent State  
University); *Education*

**Carol Lynne Galletly**, Los Angeles, CA;  
B.A. (University of California at Santa  
Barbara); *English*

**Joseph Charles Galvin**, London;  
*Music*

**Todd Eugene Gantzler**, Columbus; B.F.A.;  
*Art Education*

**Michele Ann Garrigus**, Columbus; B.S.Ed.  
(Bowling Green State University);  
*Education*

**Richard Eugene Geyer**, Westerville;  
B.S.Ed.; *Education*

**John Leeland Gibbs**, South Russell; B.A.  
(Princeton University); *English*

**Karen Louise Gibson**, Worthington; B.A.  
(College of Wooster); *Education*

**Liette Patricia Gidlow**, Heath; A.B.  
(University of Chicago); *History*

**Cathryn Ann Gillen**, Metamora; B.S.;  
*Education*

**Shauna Dickinson Good**, London;  
B.S.Ed.; *Education*

**Barbara Jean Graber**, London; B.A.  
(Goshen College); *Education*

**Gretchen Green**, Columbus; B.A.; *Public  
Policy and Management*

**Lauren Jennifer Greene**, Norwalk, CT;  
B.A. (Duke University); *Education*

**Jane Gail Greer**, Chillicothe; B.A.  
(Hanover College); *English*

**Lori Sarita Gregory**, Flint, MI; B.A.  
(University of Michigan); *Education*

**Atul Gupta**, Nashville, TN; B.S.Bus.Adm.;  
*Public Policy and Management*

**Lisa A. Guzik**, Columbus; B.S.Ed.;  
*Education*

**Chris Ann Hahnel**, Columbus; B.S.Ed.  
(Ohio University); *Education*

**Marilyn Kay Hamilton**, Worthington;  
B.A. (Capital University); *Education*

**Diane Elaine Hanson**, Columbus; B.A.  
(Atlantic Union College); J.D.; *Education*

**Shaun Harley**, Glasgow, Scotland; B.Ed.  
(Saint Andrew's College); M.A.  
(University of Akron); *Education*

**Lisa Ann Harnetty-Rehark**, Westerville;  
B.F.A. (Wright State University); *Education*

**Katharine Best Harris**, Ashville; B.S.  
(Earlham College); *Education*

**Ben Alan Harshman**, Findlay; B.A.;  
*History*

**Billie James Henderson**, Nashville, TN;  
B.S. (University of Tennessee); *Education*

**Cecile Trudy Hendrickson**, Bellville;  
B.S.Ed.; *Education*

**Theresa Jo Henry**, Columbus; B.S.;  
*Education*

**Vanessa Hicks**, Benton, MS; B.A. (Jackson  
State University); *Speech and Hearing  
Science*

**Laurie Ann Hill**, Dublin; B.A. (Grinnell  
College); M.A. (Washington University);  
*Education*

**Carolyn Sue Hirschman**, Chicago, IL;  
B.A. (Oberlin College); *Journalism*

**Robert Lee Hislope, Jr.**, Ames, IA; B.S.  
(Bradley University); *Political Science*

**Lisa Walls Holstein**, Columbus; B.A.Jour.;  
*Journalism*

**Michele Ann Hooker**, St. Clairsville; B.S.  
(University of Pittsburgh); *Education*

**Kasumi Horii**, Komaki, Japan; B.A.  
(Nanzan University); M.A. (Ohio  
University); *East Asian Languages and  
Literatures*

**Katherine Louise Hoskins**, Heppner, OR;  
B.Mus.Ed.; *Music*

**Lou Ann Hotchkiss**, Delaware; B.S.Ed.;  
*Education*

**Donald Stewart Howland III**, Columbus;  
B.F.A. (Ohio Wesleyan University);  
*Education*

**Teresa A. Hoying**, New Bremen;  
B.S.Bus.Adm.; *Education*

**Paula Louise Hritz**, Marion; B.S.Ed. (Kent  
State University); *Education*

**Stanley Gerard Huck**, Columbus; B.S.Ed.  
(Ohio University); *Education*

**Prudence Cary Hudson**, Buffalo, NY;  
B.A. (Ashland College); *Health, Physical  
Education and Recreation*

**Carol Eileen Huffman**, Lithopolis; B.S.  
(Capital University); *Music*

**Denise Ann Hulbert**, Portsmouth; B.S.Ed.  
(Ohio University); *Education*

**Sally Annette Hundley**, Columbus; B.S.  
(Salem College); *Education*

**John Calvin Hussey**, Canal Winchester;  
B.A. (Otterbein College); *Health, Physical  
Education and Recreation*

**Diana Kay Imbrock**, Grove City; B.A.  
(Hope College); *Education*

**Luann Jackson**, Columbus; B.A.; *Education*

**William David Jackson**, Upper  
Arlington; B.A. (Hiram College); *Education*

**Reena Jain**, Nagpur, India; B.A., M.A.  
(University of Delhi); *Economics*

**Debra Elaine Jasper**, Somerset, KY; B.A.  
(Eastern Kentucky University); *Journalism*

**Holly Marie Jensen**, Charlotte, NC; B.S.  
(Kent State University); *Health, Physical  
Education and Recreation*

**Sarnya Denise Johnson**, Morganton, NC;  
B.S. (Elizabeth City State University);  
*Mathematics*

**Sidney Taylor Johnston**, Columbus; B.A.  
(Saint Lawrence University); *Education*

**Susan Mary Junkroski**, Naperville, IL;  
B.A. (Rosary College); M.A. (Middlebury  
College); *Education*

- Lee Ann Justice**, London; B.A. (Wittenberg University); *Education*
- Rosemary Kalapurakal**, Kerala, India; B.A. (Stella Maris College); *Business Administration*
- Nancy Jean Kaufman**, Ottawa; B.S.Ed. (Miami University); *Education*
- Patricia Ellen Kedzierski**, Rock Creek; B.A.; *English*
- Barbara Jean Kedziora**, Columbus; B.A. (Saint Olaf College); *English*
- Jennifer Jean Kee-Miller**, Columbus; B.S.Ed. (Ohio Dominican College); *Education*
- Mark Kevin Kennedy**, Carroll; B.A. (Capital University); *Mathematics*
- Carol Carr Kieffer**, West Lafayette, IN; B.S. (Colorado State University); *Education*
- Elizabeth Ann Kim**, Columbus; B.A. (Marietta College); *Philosophy*
- Agnes Lewis Kinschner**, Columbus; A.B. (Smith College); M.A.; *Education*
- Lori Congrove Kipfer**, Dublin; B.Mus. (Capital University); *Music*
- Anne Mary Kirkhope**, Toledo; B.A. (Marquette University); *Linguistics*
- Margaret Jane Kissel**, Columbus; B.S.Ed.; *Education*
- Ann Arnold Kloss**, Pataskala; B.A. (Capital University); *Education*
- Linnnet Lee Knight**, Westerville; B.S.Ed.; *Education*
- Kris Peter Kodrich**, Milwaukee, WI; B.A. (University of Wisconsin at La Crosse); *Journalism*
- Susanne A. Kohl**, Marbach, West Germany; B.A. (Capital University); *Journalism*
- Eun-Sook Kweon**, Seoul, South Korea; B.F.A., M.F.A. (Seoul National University); *Industrial Design*
- Karen Bosold Landis**, Columbus; B.S.Ed.; *Education*
- Patricia Ulrich Larrison**, Columbus; B.S.Ed.; *Education*
- Wayne Allan Larson**, Central City, NE; B.A. (University of Nebraska at Lincoln); *Classics*
- Christine Carswell Lawyer**, Columbus; B.A. (Denison University); *Education*
- Pierre G. Le Moel**, Paris, France; DESCAF (E.S.C.A.E. Nantes); *Business Administration*
- Robert Spear Leavitt**, Alexandria, VA; B.S. (James Madison University); *Journalism*
- Ardyce Lura Lee**, Athens; B.M. (Ohio University); *Music*
- Gloria Cheryl Lee**, Columbus; B.S.Ed. (Miami University); *Education*
- James Z. Lee**, Beijing, P.R.C.; B.A. (Wuhan University); M.A. (Beijing Broadcasting Institute); *Political Science*
- Jessica Pui-Ling Lee**, Hong Kong, Hong Kong; B.A. (University of Hong Kong); *Geography*
- Julianna Louise Leveridge**, Norman, OK; B.A. (West Texas State University); *English*
- Gina Marie Lewandowski**, Columbus; B.A. (John Carroll University); *Education*
- Jiyang Li, Yaan**, P.R.C.; B.S. (Beijing Institute of Aeronautics and Astronautics); *Economics*
- Suet-Shan Li**, Hong Kong, Hong Kong; Diploma (Hong Kong Baptist College); *Journalism*
- Der-Tzong Liaw**, Kaoshiung, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Geography*
- Jianchao Liu**, Beijing, P.R.C.; B.A. (Institute of International Relations); M.A. (University of Akron); *Economics*
- Veronica Lopez**, Santa Elena, TX; B.A. (Saint Mary's University); *English*
- Peggy Metzger Lord**, Columbus; B.S.Ed.; *Education*
- Constance Helen Ludy**, Solon; B.A.; B.S.Ed.; *Education*
- Lynn Kathryn Luthern**, Hubbard; B.S.Ed.; *Health, Physical Education and Recreation*
- Kevin Charles Lyons**, Naperville, IL; B.A. (University of Illinois at Urbana); *History*
- Sharon Shaeffer Mabry**, Columbus; B.A.; *Education*
- Laurie Anne MacKellar**, Columbus; B.A. (University of Kentucky); *History of Art*
- Aloke Mansingh**, New Delhi, India; B.A. (Delhi University); *Business Administration*
- Catherine Jane Marschall**, Westerville; B.A. (Miami University); *Education*
- Michelle Ann Marshall**, Ashland; B.S.Bus.Adm. (Ashland College); *Education*
- Mark Everett Mathews**, Cedarville; B.A. (Cedarville College); *Health, Physical Education and Recreation*
- Richard Kevin Maxwell**, Millersburg; B.A. (College of Wooster); *Mathematics*
- Kay Louise McAlpine**, Forest; B.Mus. (Bowling Green State University); *Music*
- Melissa L. McCarthy-Hunter**, Columbus; B.S.Ed. (Bowling Green State University); *Health, Physical Education and Recreation*
- Nicholas Ray McCoy**, Sugar Grove; B.A.; *Education*
- Kim Marie McKenna**, Worthington; B.S. (Youngstown State University); *Education*
- Victoria Sue McVey**, Columbus; B.A. (Miami University); *Education*
- Miguel Lomeli Mendez**, Riverbank, CA; B.S. (California State University); *Economics*
- Carol Frances Merritt**, Grove City; B.S.Ed.; *Education*
- Maryann McCrorie Miller**, Pickerington; B.S.Ed.; *Education*
- Oscar Montealegre**, Bogota, Colombia; Bachelor's (Istituto Superiore Per Le Industrie Artistiche Di Roma); M.A.; *Romance Languages and Literatures*
- Diana Marlene Morris**, Columbus; B.S.Bus.Adm. (Franklin University); *English*
- Juan Enrique Munoz Giro**, San Jose, Costa Rica; B.Stat. (University of Costa Rica); *Economics*
- Linda Moccabee Murphy**, Delaware; B.S.Ed.; *Education*
- Kathleen Gaylor Musheno**, Columbus; B.S.Ed.; *Education*
- Shelly Hower Myers**, Dublin; B.S. (Messiah College); *Education*
- Susan Mary Myers**, Columbus; B.S. (Case Western Reserve University); *Art Education*
- Suella Thomas Narotski**, Columbus; B.S.Ed.; *Education*
- Nephtali Navas**, San Francisco, CA; B.A. (University of the Pacific); *Psychology*
- Joda Campbell Naylor**, Washington Court House; B.S.Ed.; *Education*
- Lisa Jean Newell**, Reynoldsburg; B.A. (Salem College); *Education*
- Una Maire Ni Chaoimh**, Galway, Ireland; B.A. (University College Galway); *Geography*
- Jane Ellen Nichols**, Worthington; B.S.Ed.; *Education*
- Patricia Zartman Nichols**, Columbus; B.S.Ed.; *Education*
- James Francis Nieberding**, Cleveland; B.A. (Xavier University); *Economics*
- Eugene E. Norris**, Columbus; B.S. (Central State University); *Education*
- Gabriel Kalalambé Nzalayaimisi**, Morogoro, Tanzania; B.Div. (Makumira Theological College); Master's (Trinity Lutheran Seminary); M.A.; *Education*
- JoAnne Kralicky O'Carroll**, Columbus; B.Ed. (Duquesne University); *Education*



**Edward John O'Reilly**, Dublin; B.S.Ed.;  
*Education*

**Olyamarié Odarczenko**, Barrington, IL;  
B.B.A. (Loyola University); *Journalism*

**Megumi Ogino**, Narashino, Japan; B.A.  
(University of Washington); *East Asian  
Languages and Literatures*

**John Michael Oklok**, Upper Sandusky;  
B.A.; *Sociology*

**Karen Jean Olson**, Duluth, MN; B.B.A.  
(University of Minnesota); *Health, Physical  
Education and Recreation*

**Cheryl Day Ortlieb**, Sunbury; B.S.Ed.;  
*Education*

**Albert Anthony Osborne**, Columbus;  
B.A. (University of Michigan); M.S.  
(Columbia University); *Journalism*

**Ho-hsien Pan**, Taipei, Taiwan, R.O.C.;  
B.A. (Tamkang University); *Linguistics*

**Janet Parker**, Columbus; B.S. (Colorado  
State University); *English*

**Paul Allen Parks**, Reynoldsburg;  
B.Mus.Ed.; *Music*

**Regina Marie Parks**, Columbus; B.A.  
(Saint Mary's College, Notre Dame,  
Indiana); M.A. (Catholic University of  
America); *Education*

**Rocky Anthony Pentello**, Gahanna; B.A.  
(Capital University); *Education*

**Laura M. Piazza**, Reynoldsburg; B.A.  
(College of Mount Saint Vincent);  
*Education*

**Sean Day Pickard**, Bowling Green, KY;  
B.S. (Western Kentucky University);  
*History*

**Bertrand Pinon**, Saint-Cloud, France;  
Devq.A.E.S. (Université Paris-la  
Sorbonne); Maîtrise Geslion (Université  
Paris-Dauphine); *Health, Physical Education  
and Recreation*

**Mark Thomas Pitcavage**, Columbus; B.A.  
(Trinity University); *History*

**Cheryl Marie Pocock**, Columbus; B.A.  
(Wheaton College); *Education*

**Cynthia Jo Polletta**, Alliance; B.S.Ed.;  
*Education*

**Donna Kay Potter**, Shelby; B.S.Ed.;  
*Education*

**Guha C.S. Prasad**, Madras, India; B.S.  
(University of Madras); M.S., Ph.D. (Birla  
Institute of Technology and Science);  
*Journalism*

**Kathryn McCombs Pritchard**, Newark;  
B.S.N. (Ohio University); *Public Policy and  
Management*

**Penny Jean Pumphrey**, Bucyrus; B.S.  
(Defiance College); *Education*

**Lori Jo Putman**, St. Paris; B.S.Ed.;  
*Education*

**Lucinda Ann Quinn**, Kenton; B.S.Ed.;  
*Education*

**Douglas Raymond Ramsey**, Cedar  
Rapids, IA; B.A. (Coe College); *Economics*

**Ronald Lee Rapp**, Lima; B.S.Ed.; *Education*

**Joyati Ray-Chaudhuri**, Worthington;  
B.A.; *Education*

**Dana Susan Read**, Galena; B.A. (Miami  
University); *Education*

**Robert Lester Reid**, Columbus; B.A.Jour.;  
*Journalism*

**David Wayne Rice**, Chillicothe; B.S.Ed.;  
*Education*

**Carolyn Ross Richardson**, Bucyrus;  
B.S.H.E.; *Education*

**Katheryn Lore Riddle**, Columbus;  
B.S.Nurs. (Wright State University);  
*Health, Physical Education and Recreation*

**Teresa May Roberts**, Bexley; B.A.  
(Southwest Minnesota State College);  
*Education*

**Garner M. Robertson**, Springfield;  
B.S.Bus.Adm., M.B.A.; *Business  
Administration*

**Cheryl Lynn Roessler**, Columbus; B.A.  
(Ohio University); *Education*

**Rochelle Vennari Rogers**, Dublin; B.A.  
(Ohio University); *Education*

**Clifford Jeffrey Rogers**, Bethesda, MD;  
B.A. (Rice University); *History*

**Jennifer Kay Rotz**, Three Springs, PA;  
B.A. (University of Maryland); *Speech and  
Hearing Science*

**Crystal Yolanda Sadler**, Salisbury, NC;  
B.A. (Bennett College); *Journalism*

**Andrew David Saperstein**, Warren; B.A.  
(University of Chicago); *Linguistics*

**Donna Marie Saunders**, Pickerington;  
B.A. (Capital University); *Education*

**Douglas John Schimmoeller**,  
Fort Jennings; B.S. (Defiance College);  
*Mathematics*

**Pamela Gay Schrader**, New Philadelphia;  
B.S.; *Education*

**Sloan Seale**, Columbus; B.A. (Arizona  
State University); *Photography and Cinema*

**Lauren Sue Seifert**, Columbus; B.A.  
(University of Akron); *Psychology*

**John Warren Shanabrook**, Tiffin; B.A.  
(Case Western Reserve University); M.A.  
(University of Chicago); *Classics*

**Hanjun Shang**, Wuhan, P.R.C.; B.A.  
(Huazhong Normal University); M.A.  
(Huazhong Science and Technology  
University); *Education*

**Kathleen Kay Shato**, Columbus; B.S.Ed.;  
*Education*

**Zuren Sheng**, Beijing, P.R.C.; B.A.  
(Hangzhou University); M.A. (Academy  
of Social Science); *Journalism*

**Julie Anne Sherrill**, Sutter Creek, CA;  
B.S. (California Polytechnical State  
University); *Education*

**Candace Rae Shicks**, Westerville; B.S.Ed.  
(Ohio University); *Education*

**Anil Shivdasani**, New Delhi, India; B.A.  
(University of Delhi); *Business  
Administration*

**Elizabeth Lee Shoaf**, Orient; B.S.Ed.  
(Ohio University); *Education*

**Margaret Walburga Simmons**, Columbus;  
B.S.Ed.; *Education*

**Richelle Louise Simonson**, Kiester, MN;  
B.S. (Mankato State University); *Health,  
Physical Education and Recreation*

**Kimberly Lynn Slack**, New Concord;  
B.A. (Muskingum College); *Education*

**Joseph Michael Slavik**, St. Clairsville;  
B.S. (Eastern Michigan University); *Health,  
Physical Education and Recreation*

**Sandra Lee Smeenk**, Columbus; B.S.Ed.  
(Illinois State University); *Education*

**Barbara Sherry Smith**, Columbus; B.S.Ed.  
(Ohio University); *Education*

**Shelly Hamblin Smith**, Tetonia, ID; B.S.  
(Brigham Young University); *Education*

**Tanya Yvette Smith**, Columbus; B.A.  
(Texas Christian University); *Sociology*

**Shannon Kay Smithey**, Duncanville, TX;  
B.A. (Southern Methodist University);  
*Political Science*

**Beverly Frances Snider**, Luverne, MN;  
B.S.Ed. (College of Saint Teresa); *Education*

**Geovanny Solis-Fallas**, Columbus;  
Bachelor's (University of Costa Rica);  
*Economics*

**Brenda Campisi Sowers**, Dublin; B.S.H.E.;  
*Education*

**Tina Marie Sowers**, Chillicothe; B.S.  
(Marietta College); *Health, Physical  
Education and Recreation*

**Ansgar Maria Spinrath**, Kempen, West  
Germany; Grundstudium (Rheinische  
Friedrich-Wilhelms-Universität); *German*

**David Joe Spurlock, Sr.**, Columbus; B.S.  
(Ohio University); *Education*

**Camilla Vedette Stafford**, Atlanta, GA;  
B.A. (Clark-Atlanta University); *Journalism*

**John Henry Stewart**, Columbus; B.M.E.  
(Capital University); *Music*

**Rita Ann Stewart**, Columbus; B.A.;  
*Education*

**Stephanie J. Stickford**, Dublin; B.F.A.; *Music*

**Beverly D. Stockberger**, Utica; B.S.Ed.; *Education*

**Mary Ann Stratman**, Secane, PA; B.A. (Xavier University); *English*

**David Allen Stroh**, St. Marys; B.S. (Miami University); *Mathematics*

**Marcia Jeanette Strong**, High Point, NC; B.S. (Bennett College); *Education*

**Lawrence Neil Strout**, Baldwinville, MA; B.A. (University of Massachusetts); *Journalism*

**Lucia F. Sullivan**, Powell; B.A. (Georgia State University); *Education*

**Sharon Ann Sutton**, Westerville; B.S. (Oklahoma State University); *Education*

**Mark Allen Svede**, Columbus; B.A.; *History of Art*

**Kelly Ann Tederous-Ziegler**, Dunkirk, NY; B.S.Ed. (State University of New York at Oneonta); *Education*

**Umesh Thakkar**, Calcutta, India; B.S.C.I.S.; *Education*

**Ann Margaret Tierney**, Columbus; B.A. (Emory University); *Psychology*

**Susan Elizabeth Tippet**, Whitehall; B.A.; *Art Education*

**Victoria Ann Titus**, Marion; B.S.Ed.; *Education*

**Lee Greiner Tracy**, Galena; B.S.Ed. (Bowling Green State University); *Education*

**Jacqueline Sue Traini**, Grove City; B.S.Ed.; *Education*

**Shu-En Tsai**, Taipei, Taiwan, R.O.C.; B.A. (Chinese Culture University); *Education*

**Ann Klisz Urse**, Dayton; B.S.; *Education*

**Sara Jane VanMeter**, Bloomington, IN; B.A. (University of Illinois); *Public Policy and Management*

**Tracy Anne Vezdos**, Avon Lake; B.A.; *English*

**Roger Victor Vorst**, Kalida; B.A.; *Education*

**William Blain Waldron**, Gahanna; B.S. (Western Michigan University); *Education*

**Kim Marie Walker**, Logan; B.S. (Wright State University); *Education*

**Ester Sue Wamsley**, Columbus; B.A.; *History*

**Ruth Ann Watts**, Mansfield; B.S.Ed. (University of Akron); *Education*

**Barbara Lynn Wayman**, Mayfield Heights; B.A.; *Journalism*

**Amy Sue Webster**, Westerville; B.S. (Ohio University); *Speech and Hearing Science*

**Kathleen Rhodenbaugh Webster**, Columbus; A.B. (Duke University); *Education*

**Jean Dilgard Westin**, Wooster; B.S.Ed.; *Education*

**Marion Gail Whiteford**, Columbus; B.S. (Southern Nazarene University); *Psychology*

**Marie Theresa Whitehead**, Delaware; B.S.H.E.; *Education*

**Mandy Kathleen Whitehouse**, Richmond, VA; B.A. (Virginia Commonwealth University); *Black Studies*

**Cynthia Louise Wilkey**, Dayton; B.A. (Oakland University); *History*

**Jonathan Scot Williams**, Columbus; B.A. (Kenyon College); *Education*

**Mark David Winchester**, Sacramento, CA; B.A. (California State University at Sacramento); *Theatre*

**Sharon Ruth Windzigi**, Powell; B.A. (Drew University); *Education*

**Julia Lynn Winkler**, Columbus; B.A.; *Education*

**Randy L. Winland**, Newton Falls; B.A. (Anderson University); *Education*

**Michele Lynn Winship**, Gahanna; B.S.Ed.; *Education*

**Cheryl Anne Wipert**, Columbus; B.F.A.; *Art Education*

**Craig Herman Wood**, Springfield; A.B. (Stanford University); M.B.A. (University of Chicago); *Business Administration*

**Myong Ok Wooten**, Songtan, South Korea; B.S.Ed.; *Mathematics*

**Michelle Diane Wright**, Frederick, MD; Bachelor's (Dartmouth College); *Black Studies*

**Tao Xu**, Beijing, P.R.C.; B.S. (Dalian Railway Institute); *Economics*

**Kejian Yang**, Tianjin, P.R.C.; B.S., M.S. (Nankai University); *Economics*

**Gretel Cunningham Young**, Columbus; B.A.; *English*

**Nancy Lee Youse**, Grove City; B.Mus.Ed.; *Music*

**Norberto Zuniga**, San Jose, Costa Rica; Bachelor's (Universidad de Costa Rica); *Economics*

**Priscilla E. Zwilling**, Columbus; B.S.Ed.; *Education*

## **Master of Business Administration**

**Kent Duane Stuckey**, Westerville; B.A. (Otterbein College); J.D. (University of Michigan); *Business Administration*

## **Master of City and Regional Planning**

**Jane Booton Hoffman**, Columbus; B.A. (Denison University); *City and Regional Planning*

**Mulyono Sadyohutomo**, Semarang, Indonesia; Sarjana (Gadjah Mada University); *City and Regional Planning*

**Sara Jane VanMeter**, Bloomington, IN; B.A. (University of Illinois); *City and Regional Planning*

**Dennis Michael Vicchiarelli**, North Canton; B.A. (Bowling Green State University); *City and Regional Planning*

**Heyward Jimmy Washington**, Effingham, SC; B.S. (Morris College); *City and Regional Planning*

**Widiarto**, Bandung, Indonesia; Sarjana (Institut Teknologi Bandung); *City and Regional Planning*

## **Master of Fine Arts**

**Michael Todd Arrigo**, Columbus; B.F.A.; *Art*

**Brian Scott Benefield**, Arlington, VA; B.A. (College of William and Mary); *Art*

**Kraig Alan Binkowski**, Detroit, MI; B.F.A. (Wayne State University); *Art*

**Lisa Faye Bumbaugh Vottero**, Columbus; B.F.A. (Ohio Northern University); *Art*

**John Peter D'Agostino**, Columbus; B.F.A. (Pratt Institute); *Art*

**Deborah Ann Dohne**, Alfred, NY; B.F.A. (Alfred University); *Art*

**Wendy Sue Ernst**, Des Moines, IA; B.F.A. (University of Minnesota); *Art*

**Margaret Joann Evans**, Reynoldsburg; B.F.A.; *Art*

**Michael A. George**, Duluth, MN; B.F.A. (University of Utah); *Dance*

**Glenn Edward Holmstrom**, Erie, PA; B.F.A. (Columbus College of Art and Design); *Art*

**Mark Steven Merline**, Camp Douglas, WI; B.A. (University of Wisconsin); *Art*

**Edward Thomas Schmid**, Glenview, IL; B.A., B.F.A. (University of Illinois at Champaign-Urbana); *Art*

**Scott Michael Short**, Marion; B.F.A.; *Art*

**Robin Anne Stanaway**, Lebanon, PA; B.F.A. (Minneapolis College of Art and Design); *Art*

### **Master of Labor and Human Resources**

**Jeffery Allen Meiring**, St. Marys; B.A.; *Labor and Human Resources*

### **Master of Landscape Architecture**

**Brian David Benedict**, Columbus; B.S. (Ohio University); *Landscape Architecture*

**Terry Ann Klein**, Huron; B.S. (Bowling Green State University); *Landscape Architecture*

**Steven Frederick Studenmund**, Bellville; B.S.Nat.Res.; *Landscape Architecture*

**Traci Nanette Taylor**, Columbus; B.A. (Miami University); *Landscape Architecture*

### **Master of Liberal Studies**

**Tammy Anne Birk**, Mayfield; B.A. (Miami University); *Liberal Studies*

**Susan Jill Myers**, Columbus; B.S.Al.Hth.Prof.; *Liberal Studies*

### **Master of Music**

**Mei-Na Hsu**, Taipei, Taiwan, R.O.C.; Bachelor's (National Institute of the Arts); *Music*

**Janet Beth McMahon**, Chillicothe; B.Mus.; *Music*

### **Master of Public Administration**

**May-Hiong Boong**, Ipoh, Malaysia; B.A. (Ohio University); *Public Policy and Management*

### **Master of Science**

**Laura Jean Adkins**, Huntington, WV; B.A., M.S. (Marshall University); *Statistics*

**James Warren Albritton**, Cleveland; A.B. (Lincoln University); M.A. (Antioch University); M.L.H.R.; *Agricultural Economics and Rural Sociology*

**James Patrick Allen**, South Bend, IN; B.S. (University of Notre Dame); *Computer and Information Science*

**William Wheeler Allen**, Columbus; B.S.E.E.; *Electrical Engineering*

**Mohammad Reza Asasi**, Tehran, Iran; B.S. (Arya-Mehr University); *Civil Engineering*

**Amadou Lamine Ba**, Dakar, Senegal; B.S.Agr.; *Entomology*

**Mi Kyeong Bae**, Seoul, South Korea; B.A. (Ewha Woman's University); *Human Ecology*

**Tamara Masters Baker**, Powell; B.S.Nurs. (Franklin University); *Nursing*

**Greg Steven Beinlich**, Ishpeming, MI; B.S. (Central Michigan University); D.D.S. (University of Michigan); *Dentistry*

**Sandra Lynne Bennett**, Weston, CT; B.S. (Michigan State University); *Horticulture*

**Leora Mary Berry**, Dayton; B.S.N. (Wright State University); *Nursing*

**Peter Anthony Beyerle**, Dayton; B.E.E. (University of Dayton); *Electrical Engineering*

**Samir Bhargava**, Delhi, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Peter William Bickel**, Reynoldsburg; B.S., O.D.; *Physiological Optics*

**Steven Alan Bishop**, Northwood; B.S.E.E. (G.M.I. Engineering and Management Institute); *Industrial and Systems Engineering*

**Arunava Biswas**, Calcutta, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Thomas Clay Bohanon**, Littleton, CO; B.A. (Colorado College); D.V.M. (Colorado State University); *Veterinary Clinical Sciences*

**Lisa Ann Brandolino**, Bloomington, IL; B.S.M.E. (University of Illinois); *Mechanical Engineering*

**Richard Paul Broering**, Butler, KY; B.S. (Northern Kentucky University); D.M.D. (University of Louisville); *Dentistry*

**Susan Currie Brown**, Circleville; B.S. (California State College); *Preventive Medicine*

**Denise Frances Bruns**, East Stroudsburg, PA; B.S.; *Entomology*

**Christopher Anthony Bush**, Stanley, NY; B.S. (Rochester Institute of Technology); *Statistics*

**Lori Jean Carothers**, Cincinnati; B.A. (De Pauw University); *Food Science and Nutrition*

**Blanca Carolina Celis Gamboa**, San Cristobal, Venezuela; Bachelor's (Universidad Del Zulia); *Horticulture*

**Sanjib Chakraborty**, Durgapur, West Bengal, India; B.Tech. (Indian Institute of Technology); *Metallurgical Engineering*

**Cheuk Wah Chan**, Hong Kong, Hong Kong; B.S.C.I.S.; *Biomedical Engineering*

**Gary Z. Chang**, Beijing, P.R.C.; B.S., M.S. (Shanghai Jiao Tong University); *Mechanical Engineering*

**Lu Che**, Hubei, P.R.C.; B.S. (Dalian Institute of Technology); *Civil Engineering*

**Hsiou-Lien Chen**, Chung-Hwa, Taiwan, R.O.C.; B.S. (Fu-Jen Catholic University); *Human Ecology*

**Tse Yen Chen**, Taipei, Taiwan, R.O.C.; B.S. (University of Texas at Austin); *Electrical Engineering*

**Yuh-Jen Chen Lo**, Hsinchu, Taiwan, R.O.C.; B.Pharm. (Taipei Medical College); *Allied Medical Professions*

**Mary Jo Elizabeth Connelly**, Dublin; B.S.N. (Pennsylvania State University); *Nursing*

**Serdar Coskun**, Sivas, Turkey; M.S., D.V.M. (Firat University); *Veterinary Physiology and Pharmacology*

**Ricky DeVon Dixon**, Trenton, NC; B.S. (North Carolina Agricultural and Technical State University); *Mechanical Engineering*

**Lynn Marie Downard**, Bremen; B.S.N. (Bowling Green State University); *Nursing*

**Maria Geraldine Ramirez Edralin**, Quezon City, Philippines; B.S., M.S. (University of the Philippines); *Statistics*

**Kenneth Alan Fanta**, Cincinnati; B.S. (Miami University); *Industrial and Systems Engineering*

**Linda Dawes Farrell**, Columbus; B.S.Nurs.; *Nursing*

**Sue Ann Ferguson**, Mt. Vernon; B.S.I.S.E.; *Industrial and Systems Engineering*

**Jeanne Fitzpatrick**, Jackson Heights, NY; B.S. (State University of New York at Stony Brook); *Food Science and Nutrition*

**Eugene Lawrence Forster**, Evansville, IN; B.S. (Saint Louis University); *Chemistry*

**Carol Susan Fuller**, Westerville; B.S. (Bowling Green State University); *Human Ecology*

**Guillermo S. Garcia**, Barquisimeto, Venezuela; Bachelor's (Patrice Lumumba University); *Agronomy*

**Robert Emerson George**, Urbana; B.A. (Wittenberg University); *Statistics*

**Emily Jayne Gibbs**, Dublin; B.S. (Colorado State University); *Human Ecology*

**Thomas James Gieseke**, Hilliard; B.S.M.E.; *Mechanical Engineering*

**Daniel Harold Glenn**, Pickerington; B.A., D.D.S. (University of Iowa); *Dentistry*

- Pramod Goel**, New Delhi, India; B.Eng. (Birla Institute of Technology); *Industrial and Systems Engineering*
- Seth Daniel Goldblum**, Albuquerque, NM; B.S. (University of California at San Diego); *Chemical Engineering*
- Maniketh Gopikrishnan**, Palghat, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Toni Gozali**, Palembang, Indonesia; B.S. (University of Iowa); *Mechanical Engineering*
- Pankaj Gupta**, New Delhi, India; B.S.C.I.S.; *Computer and Information Science*
- Seungjoo Haam**, Seoul, South Korea; B.S. (Yonsei University); *Chemical Engineering*
- Sidney Rene Hargro**, Charlotte, NC; B.S.M.E. (North Carolina Agricultural and Technical State University); *Mechanical Engineering*
- Jay Mitchell Harrison**, Abernathy, TX; B.S. (Texas Agricultural and Mechanical University); *Statistics*
- Julie Ann Hass**, Highland, MI; B.S., D.V.M. (Michigan State University); *Veterinary Clinical Sciences*
- Michael J. Hecht**, Dayton; B.S.M.E. (University of Dayton); *Computer and Information Science*
- Pamella Jean Hess**, Clinton; B.S.N. (Bowling Green State University); *Nursing*
- Yu-Yun Ho**, Chiayi, Taiwan, R.O.C.; B.B.A. (National Taiwan University); *Statistics*
- Carol Ann Hoffman**, Caledonia; B.S.Nurs.; *Nursing*
- Mary Genevieve Hoffman**, Denville, NJ; B.S. (University of Scranton); *Biomedical Engineering*
- Lori Sue Hosack**, Mansfield; B.S.Nurs. (Bowling Green State University); *Nursing*
- James Gavin Howe**, Cleveland; B.S.M.E.; *Mechanical Engineering*
- Shu-Chuan Huang**, Taipei, Taiwan, R.O.C.; B.S. (National Central University); *Electrical Engineering*
- Gayle Pauline Huston**, Zanesville; B.S.Nurs. (Capital University); *Nursing*
- Chien-Seng Hwang**, Taipei, Taiwan, R.O.C.; B.S. (Fu-Jen Catholic University); *Food Science and Nutrition*
- Indratmo**, Jakarta, Indonesia; Sarjana (Bogor Agricultural University); *Natural Resources*
- Thawi Iwagoshi**, Bangkok, Thailand; B.S.Cer.E.; *Ceramic Engineering*
- Benjamin Franklin James IV**, Sylvania; B.S.M.E.; *Biomedical Engineering*
- Joan Suzette Jeffrey**, Waverly, NE; B.S. (Nebraska Wesleyan University); D.V.M.; *Poultry Science*
- Edward Charles Kaprally**, Warren; B.A. (Hiram College); *Entomology*
- Susan Robertson Keiff**, Columbus; B.S.; *Computer and Information Science*
- Leisa Ann Kelly**, Hamilton; A.S.N. (Miami University); B.S.Nurs. (Otterbein College); *Nursing*
- Tamara C. Kent**, Pickerington; B.S. (Miami University); *Human Ecology*
- Kwong Hui Kiew**, Bintangor, Sarawak, Malaysia; B.S.C.E. (University of Toledo); *Civil Engineering*
- Hyo Soon Kim**, Seoul, South Korea; B.S., M.S. (Ewha Woman's University); *Chemistry*
- Edwin Lewis King**, Columbus; B.S. (Florida State University); *Computer and Information Science*
- Kathryn Anne Kuechelmann**, Mendham, NJ; B.S. (Rutgers University); *Ceramic Engineering*
- Chun-Yi Kuo**, Keelung, Taiwan, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Gwanywan Lai**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*
- Sue Anne Lambert**, Columbus; B.S. (Medical College of Georgia); *Allied Medical Professions*
- Hye-Kyung Lee**, Seoul, South Korea; B.A. (Seoul National University); *Human Ecology*
- Huei-Long Lin**, Taipei, Taiwan, R.O.C.; B.S. (Tamkang University); *Civil Engineering*
- Chuan Chuan Liu**, Taipei, Taiwan, R.O.C.; B.S. (Tamkang University); *Civil Engineering*
- David Raymond Lutz**, Columbus; B.S. (Bucknell University); M.A. (Pennsylvania State University); *Computer and Information Science*
- Jyunda Lyau**, Hu-Wei Yunlin, Taiwan, R.O.C.; B.S. (National Central University); *Chemical Engineering*
- Lisa Kay Mackall-Young**, Columbiana; B.S.Agr.; *Agricultural Education*
- Pervaiz Bashir Malik**, Lahore, Pakistan; B.Sc. (University of Engineering and Technology); M.C.R.P.; *Natural Resources*
- Robert James Mariano**, Lynn, MA; B.S. (University of Lowell); *Electrical Engineering*
- Cathy L. Martinez**, Chandler, AZ; B.S. (Arizona State University); *Agricultural Education*
- James Stephen Mayer**, Westminster, CA; B.A., M.A. (Hofstra University); *Plant Pathology*
- Deborah Ann Mazur**, Granville; B.S.Ed. (Bowling Green State University); *Human Ecology*
- Karen Snipes McNeely**, Dublin; B.S.N. (University of North Carolina at Charlotte); *Nursing*
- David Allen Mengel**, Wooster; B.S. (Mississippi State University); *Dairy Science*
- Norman Ronald Merski**, Reston, VA; B.S. (Pennsylvania State University); *Aeronautical and Astronautical Engineering*
- Wendy Kay Mesler**, Columbus; B.S.; *Mathematics*
- Krystal Jean Miles**, Columbus; B.S. (University of Arizona); D.D.S. (University of Nebraska); *Dentistry*
- Christine Marie Miller**, Bryan; B.A. (Bowling Green State University); *Human Ecology*
- Susan Elaine Miller**, Mt. Vernon; B.S.Soc.Wel.; *Human Ecology*
- Kathleen Marie Mills**, Dayton; B.S. (Columbia Union College); *Nursing*
- Kirk Allen Montgomery**, Uniontown; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*
- Andrew Jay Mueller**, Cincinnati; B.S. (University of Cincinnati); *Metallurgical Engineering*
- Klaus D. Mueller**, Stuttgart, West Germany; B.S. (Polytechnic University); *Biomedical Engineering*
- Janet Lea Murphy**, Chilton, WI; B.S. (University of Wisconsin at Madison); *Entomology*
- Jenn-Yeu Nieh**, Kaohsiung, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Chemical Engineering*
- Wiroj Ninlapong**, Bangkok, Thailand; B.S. (Thai Naval Academy); *Welding Engineering*
- John Richard Nogaj**, Winfield, IL; B.A. (Kenyon College); *Pharmacology*
- Cynthia Marie Norden**, Hilliard; B.S.H.E.; *Human Ecology*
- Peter Olah**, Gyongyos, Hungary; M.S. (Godollo Agricultural University); *Natural Resources*
- Jennifer Anne Ormond**, Akron; B.S.Nurs.; *Nursing*
- Raho Oumghar**, Fes, Morocco; B.S. (National Agricultural School); *Agricultural Economics and Rural Sociology*
- Richard Wayne Packard**, Columbus; B.A. (Anderson University); *Electrical Engineering*

**Jaechan Park**, Seoul, South Korea; B.A., M.S. (Seoul National University); *Veterinary Pathobiology*

**Mark Joseph Perry**, West Chester; B.Ch.E. (University of Dayton); *Chemical Engineering*

**Mark Richard Perry**, Hollis, NH; B.S. (Clarkson University); *Biomedical Engineering*

**Jose Eduardo Onoda Pessanha**, Rio de Janeiro, Brazil; B.S. (Santa Ursula University); M.S. (Catholic University of Rio de Janeiro); *Electrical Engineering*

**Paul Aloysius Pohlman**, Delphos; A.A., B.S.Agr.; *Agricultural Education*

**Joseph Anthony Pultz**, Columbus; B.S., M.Appl.Stat.; *Statistics*

**Ming Qi**, Kunming, P.R.C.; Bachelor's (Wuhan Technical University of Surveying and Mapping); *Geodetic Science and Surveying*

**Martha Lynn Hartley Randolph**, Pickerington; B.S.Nurs. (Capital University); *Nursing*

**Mary Jo Reilly**, Whitehall, MI; B.A. (Michigan State University); *Preventive Medicine*

**Daniel Swaim Robins**, Columbus; B.A. (LaSalle University); *Chemistry*

**Marco Anibal Rodriguez-Granell**, Mayaguez, PR; B.S. (University of Puerto Rico); *Electrical Engineering*

**Mary JoAnne Roush**, Lynchburg; B.S.; *Environmental Biology*

**Brad Charles Routt**, Bellevue, NE; B.S. (University of Nebraska); *Geology and Mineralogy*

**Edward Harold Rugh**, Columbus; B.S.Pharm., D.D.S.; M.S. (Wright State University); *Dentistry*

**Deborah Jean Rumsey**, LaCrosse, WI; B.S. (University of Wisconsin); M.S. (Illinois State University); *Statistics*

**N.G.V. Saidiwarar**, Kurnool, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Hartono Santoso**, Malang, Indonesia; B.S.I.S.E.; *Industrial and Systems Engineering*

**Charles Dana Schneider**, Toledo; B.S.Agr.; *Agricultural Education*

**Thomas Aaron Schneider**, Chillicothe; B.S. (University of Dayton); *Natural Resources*

**Viswanath Seetharaman**, New Delhi, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Jegatheesan Seharaseyon**, Jaffna, Sri Lanka; B.S. (State University of New York at Stony Brook); *OSU Biochemistry Program*

**Parvez Akhtar Shah**, Teri-Peshawar, Pakistan; B.S.E.E. (University of Engineering and Technology); *Electrical Engineering*

**Bonita Florence Shelby**, Cleveland Heights; B.A. (Kenyon College); *Pathology*

**Gangshu Shen**, Beijing, P.R.C.; B.Eng. (Beijing Aeronautical Institute); *Industrial and Systems Engineering*

**Deng-Po Shiu**, Hsinying, Taiwan, R.O.C.; B.Eng. (Feng-Chia University); *Civil Engineering*

**Preecha Somsukjaroen**, Bangkok, Thailand; B.Sc. (Thai Naval Academy); *Geodetic Science and Surveying*

**S. Sreedhar**, Madras, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Allison Mary Wild Stahl**, Frazesburg; B.S.M.E.; *Mechanical Engineering*

**Daniel Stewart Stoops**, Westerville; B.S. (University of Pittsburgh); *Computer and Information Science*

**Margaret May Strow**, Custar; B.S.Agr. *Agricultural Education*

**Jai Shankar Subramanian**, Madras, India; B.E. (Indian Institute of Science); *Ceramic Engineering*

**Ramprasad Sumant**, Bangalore, India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*

**Malcolm Lincoln Thomas**, St. Croix, VI; B.S. (Columbia Union College); *Computer and Information Science*

**Sandeep Tilak**, New Delhi, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Sharon Ann Treaster**, Lorain; B.S.Agr.; *Horticulture*

**Stephen Platt Treat**, Dublin; B.S. (University of California at Los Angeles); *Physics*

**Sharon Jean Wainshilbaum**, Worcester, MA; B.A. (University of Massachusetts); *Plant Pathology*

**Matthias Werner Waliszewski**, Berlin, West Germany; B.S. (Technical University of Berlin); *Biomedical Engineering*

**Chuantao Wang**, Chongqing, P.R.C.; B.S., M.S. (Chongqing University); *Metallurgical Engineering*

**Ko-Ming Wang**, Kaohsiung, Taiwan, R.O.C.; B.S. (Chun Yuan University); *Civil Engineering*

**Terri Linda Watson**, New Orleans, LA; B.S. (University of New Orleans); *Computer and Information Science*

**Susan Bush Welch**, Logan; B.S.Nurs. (Capital University); *Nursing*

**Melanie Ann West**, Marengo; B.S.H.E.; *Human Ecology*

**Cathy Elaine Wilson**, Jerusalem; B.S. (Ohio University); *Human Ecology*

**Jane Ann Winters**, Newark; B.S. (Capital University); *Nursing*

**Zhenjun Wu**, Shanghai, P.R.C.; B.S., M.S. (Shanghai Teacher's University); *Mathematics*

**Darryl Tadao Yamashita**, Novato, CA; B.A. (University of California); *Statistics*

**Larry Yet**, British Columbia, Canada; B.S. (University of British Columbia); *Chemistry*

**Jiang Yue**, Yangquan, P.R.C.; B.S. (Taiyuan University of Technology); M.S. (Institute of Coal Chemistry); *Chemistry*

**Michelle Zakson**, Columbus; B.S. (Texas Technical University); *Entomology*

**Xiaoya Zha**, Tunxi, P.R.C.; B.S. (Anhui University); *Mathematics*

**Guangyu Zhang**, Guangsan, P.R.C.; B.S. (Beijing Mechanical Engineering Institute); *Mechanical Engineering*

**Ming Zheng**, Fuzhou, P.R.C.; Bachelor's, Master's (Xiamen University); *Statistics*

**Gregg Milo Zuberbier**, Green Bay, WI; B.S. (University of Wisconsin at Green Bay); *Zoology*

## Master of Social Work

**Leo John D'Anniballe, Jr.**, Columbus; B.S.; *Social Work*

**Linda May Evelsizer**, Worthington; B.S.Ed. (Ashland College); *Social Work*

**Megan Krivchenia**, Marietta; B.F.A. (Ohio University); *Social Work*

**Sara Sue Niemeyer**, Worthington; B.A. (College of Wooster); *Social Work*

**Cheryl Ray Pettit**, Worthington; B.S.Soc Work; *Social Work*

**Jill Chiles Slicer**, Worthington; B.S. (Bowling Green State University); *Social Work*

**Andrea Marie Tuscan**, Canton; B.S.Soc.Wel.; *Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Joan Huber

Associate Dean for Undergraduate Studies in Arts and Sciences, a federation of five colleges, includes:

College of the Arts  
College of Biological Sciences  
College of Humanities  
College of Mathematical and Physical Sciences  
College of Social and Behavioral Sciences

## College of the Arts

Dean: Donald Harris

### Bachelor of Arts

Stephen Colvin Anfang, Novelty  
Lawrence Maxwell Barnes, Cranford, NJ  
Angela Marie Baumann, Columbus  
Amy Louise Benson, Findlay  
Karl Raymond Bury, Fremont  
Jeffrey Earl Dodson, West Milton  
Anne Susan Finesilver, Pepper Pike  
Sean Arthur McCarter, Mentor  
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Aida M. Stanish, Columbus  
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### Bachelor of Fine Arts

Ahmet Kemal Aydogan, Columbus  
Queen Esther Brooks, Columbus  
Wendy Blythe Domes, Carpentersville, IL  
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Theresa Ann Gates, Cincinnati  
David Michael Larsen, Columbus  
James Ivan Phillips, Louisville  
Stacie Lynn Quackenbush, Midland, MI  
Susanna Margaret Richards, Beavercreek  
Minoru Sakakura, Yokkaichi, Japan  
Scott Owen Simonson, North Olmsted  
Milicia Vuletich, Upper Sandusky

### Bachelor of Music

Lee-Soo Bailey, Columbus

### Bachelor of Art Education<sup>1</sup>

Patricia Ann Rinehart-Irwin, Bellefontaine  
Lisa Renee Ruh, Grove City  
Natalie Wright, Carroll

<sup>1</sup>Offered by the College of the Arts

### Bachelor of Art Education<sup>1</sup>

Jennifer Lee Jenkinson, Columbus  
Tamar Kern, Akron  
Amy Rene Klusman, Cincinnati

### Bachelor of Music Education<sup>1</sup>

Denise Renee Boucher, Ashland  
Stephanie Kay Mansperger, Columbus  
Douglas David Ready, Warren

### Bachelor of Science in Industrial Design

Benjamin Joe Fredritz, Marion  
Dena Ann Friedman, Toledo  
Christopher John Lewis, Lawrenceburg, IN  
Keith Edward Novicki, Columbus  
Jennifer Lynn Sahr, Columbus  
Cristina Silverio, Columbus  
Mark Edward Wilford, Columbus

## College of Biological Sciences

Dean: Gary L. Floyd

### Bachelor of Science

Rockey Kumar Bandlish, Sunam, Punjab, India  
Subroto Banerji, St. Louis, MO  
Lynn Marie Bleisath, Bay Village  
Christopher Ward Colvin, Columbus  
Paul Anthony Conti, Poland  
Kyle Rachel Dreyfuss, Shaker Heights  
Christian Martin Fisher, Sylvania  
Kenneth Michael Keisel, Pittsburgh, PA  
Stephen Joseph Kerpsack, Canfield  
James Edwin Malek, Centerburg  
Kathy Lynn Miller, Lancaster  
Gregory Nelson Orr, Columbus  
Troy Adam Reeves, Akron  
Patricia Diane Sheets, Columbus  
Todd R. Tibbs, Port Clinton  
Elizabeth Suzanne Toth, North Canton  
Dawnne O'Neal Wise, Columbus

## College of Humanities

Dean: G. Micheal Riley

### Bachelor of Arts

Stephanie Alice Aman, Aberdeen, SD  
Carey Mark Arnold, Beachwood  
Lisa Nicholson Baird, Upper Arlington  
Nicholas Robert Barrett, Kansas City, MO

<sup>1</sup>Offered jointly by the College of the Arts and the College of Education

Véronique Anjannette Beckrum, Columbus

Leslie Ann Berlin, Wilmington  
Barbara Lynn Born, Columbus  
Annette Margaret Borsos, Lorain  
David William Brackbill, Columbus  
David Matthew Brown, St. Marys  
Heidi Nova Carman, Xenia  
Amy Helene Cohen, Livingston, NJ  
Terrance Leo Coleman, Crestline  
Linda Sue Daily, Brookville  
James Thomas Danes, Niles  
Robert Edward Dennison, Marion  
Carla Elizabeth Diggins, Media, PA  
Christina Jacqueline Dreve, Columbus  
Christopher Richard Estelle, Columbus  
Paul Douglas Fenstermaker, Columbus  
John Fokas, Columbus  
Steven Andrew Fouts, Granville  
Harumi Fujimoto, Encinitas, CA  
Kimberly Ann Gower, South Euclid  
Hilary Lynn Hertzoff, Bexley  
Mark Paul Hobb, Columbus  
Jay Christopher Houston, Columbus  
Christine Michael Hufford, Fremont  
Carol Jendre Ido, Orange Village  
Kimberly Elaine Jenkins, Cincinnati  
Jennifer Kathleen Jolley, Reynoldsburg  
Joel Martin Kemelhar, Mayfield Heights  
Nazanin Nana Khodadad, Cincinnati  
Michael Wesley Kingery, Columbus  
Frederic William Kirchner, Columbus  
David Denton Koch, Columbus  
Amy Michelle Kossiver, Cleveland Heights  
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Kathleen R. Lauri, Dayton  
Lynn Ellen Lebit, Lyndhurst  
Jeffrey William Leonard, Delaware  
Sherry Lynn Levasseur, Orient  
Theresa Marie Locke, Columbus  
Julie Marie Lynch, Columbus  
Nezha Marsil, Rabat, Morocco  
Michael Charles McConnell, Centerville  
Amy Susan McKee, Chesterfield, MO  
Andrew John McKill, Sidney  
Anthony William Meyers, Lancaster  
Rebecca Ann Moffat, Cincinnati  
Elizabeth Sue Myers, Mt. Blanchard  
Amy Joy Nader, Warren  
Kimberley Ann Ochalek, Bay Village  
Robert Stuart Ogletree, Sylvania  
Kenneth Stephen Oravetz, Elyria  
William David Otworth, Portsmouth  
LaMia Claudette Pendleton, Marengo  
Patricia Diane Friedeman, Upper Arlington  
Kevin Charters Rainey, Columbus  
Sean McKay Ramsay, Cincinnati  
Michelle Marie Ridder, Columbus  
Cassandra Sue Ring, Columbus  
Margaret Jean Robertson, Mt. Vernon  
Crystal Rae Robinson, Sunbury  
Elizabeth Ann Rogel, Shaker Heights  
Christopher Jeffrey Roth, Columbus  
Sally Jane Russell, Columbus  
Alta Elizabeth Savage, Columbus

Immeke Maria Schmidt, Cincinnati  
 Alan Howard Schneider, Woodmere, NY  
 Carol Chelton Schopick, Columbus  
 Kay Lynn Schroeder, Worthington  
 Naomi Ann Schroeder, Pontiac, MI  
 Angela Jo Shoe, Brookville  
 Karen Louise Silver, Woodmere, NY  
 John Charles Stahl, Columbus  
 Deborah Supelak, Rocky River  
 Angela Denise Thomas, Beachwood  
 John Mark Thompson, Grove City  
 William Bradley VanGundy, Columbus  
 Dallan K.J. Walden, Morin Heights,  
 Quebec, Canada  
 Amy Laura Waldman, Upper Arlington  
 Clifford H. Wallach, Scarsdale, NY  
 Brook Eugene White, Marion  
 John William White II, Cincinnati  
 Martina Frieda Whittaker, Columbus  
 Julie Ann Williams, Upper Sandusky  
 Susan Heather Young, Clarkston, MI

## College of Mathematical and Physical Sciences

Dean: C. William Kern

### Bachelor of Arts

Catherine Anne Blosser, Columbus  
 Timothy Reed Burke, Defiance  
 Kennan Joseph Fahey, Columbus  
 Mary Eichmeier Krueger,  
 Upper Arlington  
 Mark Alan Ormiston, Newark  
 Anthony Ronald Reinhold, Cincinnati  
 Todd H. Scarborough, Columbus  
 Jonathan Mark Steinbach,  
 Washington, DC

### Bachelor of Science

Denis Michael Balcer, Reynoldsburg  
 Timothy Charles Burt, Pleasant Hill  
 Jennifer Rae Butcher, Akron  
 Jeffrey Alan Clements, Ashtabula  
 Lisa Marie Davis, Columbus  
 Robert Edward Dennison, Marion  
 David John Dickhaus, Columbus  
 Jennifer Lynn Eppick, Columbus  
 Diane Lynn Evans, Uniontown  
 Kennan Joseph Fahey, Columbus  
 Lisa Deloris Floyd, Huber Heights  
 Warren Louis Garrett, Suisun, CA  
 Barry Andrew Goldslager, Westerville  
 Rebecca Jane Goodenow, Hudson  
 Gregory Scott Hefflin, Columbus  
 Hing Tsun Hung, Hong Kong  
 James Randolph Isaacs, Hitchens, KY  
 Levent Kamil Kitapci, Cincinnati  
 Christine Wenchi Liu, Ashtabula  
 Jacqueline Jean Lucas, Martins Ferry  
 Jerry Allan Mason, Willowick  
 Sophia Jean McLellan, Lima  
 José Antonio Pagán, Manati, PR

Sharon Renee Pohl, Maria Stein  
 Betty Jo Rode, St. Paris  
 Beth Ann Sanford, Lima  
 William Edwin Schemmel, Minster  
 Jeffery Wayne Scholl, Upper Arlington  
 Constantina Venetia Spantithos,  
 Columbus  
 Jeffrey Robert Sturm, Columbus  
 Max Minh Tran, Columbus  
 David Paul VanBrocklin, Wyoming  
 Stephen John Watson, Columbus

## College of Social and Behavioral Sciences

Dean: Joan Huber

### Bachelor of Arts

Thomas Angelo Abbati, Worthington  
 Aria Ala-U-Dini, Worthington  
 Melinda Carol Andrews, Brilliant  
 Debra Lynn Arnold, Lyndhurst  
 Douglas Edward Baldwin, Radford, VA  
 Stella Anne C. Balmoria, Columbus  
 Kelly Joan Baumer, Kettering  
 James Alan Baumgardner, Chardon  
 Michael Jackson Bean, Dublin  
 Kristine Jane Bench, Elmore  
 John David Biehl, Columbus  
 Norman Todd Biehl, Massillon  
 William John Bien, Westerville  
 Gerald Wayne Biggs, Cleveland  
 Edward Carl Billmaier, Toledo  
 William Howard Blazer, Springfield  
 Laura Ann Bleisath, Bay Village  
 Helisa Deborah Bloom, Toledo  
 Walter Upson Bolton III, Newark  
 Jennifer Lynn Bonar, Wauseon  
 Janice Ann Bowles, Columbus  
 Edward T. Brady, Westerville  
 Michelle Teresa Brenk, Mansfield  
 Aaron Charles Brinkman, Kalida  
 Timothy Lowell Brown, Columbus  
 Leslie Margaret Budgeit, Napoleon  
 Matthew Peter Campe, Columbus  
 Colleen Carroll, Columbus  
 Kelly Ann Carroll, East Canton  
 Lynn Marie Cashman, Centerville  
 Linda Rose Castrataro, Mayfield Village  
 Paul Matthew Cheney, Marion  
 Mary Yuet Chong, Cleveland  
 Elizabeth Maxine Cinadr, Brecksville  
 Nadine Anne Clagett, Columbus  
 Traci Lynn Clayton, Cincinnati  
 Philip John Cleary, Columbus  
 Renee Lynn Coil, Columbus  
 Jeffrey Rand Combs, Massillon  
 Colleen Beth Connors, Bay Village  
 James Hull Cordray, Grove City  
 Stephen Roger Cornell, Upper  
 Marlboro, MD  
 Walter Joseph Costello, Stratford  
 Meghan C. Curran, Concord  
 Maureen Celeste Damiani, Columbus  
 Jennifer Gwen Davidson, Columbus

Mark Allen Delbert, Columbus  
 Michelle Marie DePoy, Dale City, VA  
 Sheri Kay DePriest, Sunbury  
 Rosemary Teresa Dodd, Columbus  
 Wendy Cooke Drake, Portsmouth  
 Jennifer Grace Embree, Winfield, WV  
 Teresa Louise Erb, Columbus  
 Erik John Ernstrom, Columbus  
 Patricia Lynn Ewart, Columbus  
 Keith Tyrone Ferguson, Miami, FL  
 Wendy Michele Fleming, London  
 Victoria G. Fowler, Richwood  
 Tara Jeanne Francis, Hamilton  
 Linda Marie Gaertner, Columbus  
 Tina Lee Gaines, Columbus  
 Forrest Edward Gallagher, Columbus  
 Kelly William George, Mentor  
 Mary Jean Gibel, Lakewood  
 Roger Laurence Giddan, Toledo  
 Michael Patrick Gorman, Toledo  
 Patricia Ann Grau, Canton  
 Rickie Edwin Green, Delaware  
 Shirrell Renee Greene, Youngstown  
 Cynthia Lynn Grubbs, Westfield Center  
 Stephen John Halm, Gahanna  
 Douglas Allan Hamlin, Fairfax, VA  
 Cheryl Lynn Hampton, Genoa  
 Jon Lowell Hardacre, Pepper Pike  
 Brent D. Harder, Mt. Victory  
 Daniel Edward Harmon, Canton  
 Katherine Ann Harris, Fairborn  
 Mary J. Hatem, Columbus  
 Felicia Ann Hawthorne, Cincinnati  
 Betsy Hersh, Cincinnati  
 Todd William Hickin, Westerville  
 Brenda Kay Hinchliffe, Champion  
 Marian Ann Hissong, Akron  
 Brian Edmund Hodgett,  
 Middleburg Heights  
 Julia Ann Holmes, Coshocton  
 Dawn Michelle Homerick, Mansfield  
 Donald Wayne Hothem, Mt. Vernon  
 Kelli Jo Howard, Lima  
 Arthur Carl Hunter, Georgetown  
 Carol Jendre Ido, Orange Village  
 Michelle Elise Jackson, Kettering  
 Linda Susan Janes, Akron  
 Christine Mary Jaster, Columbus  
 Virginia Raéanna Johnson, Germantown  
 Scott L. Jonda, Boardman  
 Cynthia Jones, Toledo  
 Margaret Alyssa Jones, Columbus  
 Steven M. Jordan, Columbus  
 Lori Ann Kalinyak, Dayton  
 Anne Elizabeth Kaminsky, Cleveland  
 Kevin Joseph Karam, Newark  
 Catherine Mary Kastelic, Euclid  
 Diane Elizabeth Kean, Shaker Heights  
 Julia Marie Keller, Canton  
 Alexis Kelmes, Columbus  
 Jeffery Scott Knapp, Columbus  
 Carolyn Sue Knauss, Bowling Green  
 Christopher Michael Korb, Centerville  
 Christopher Joseph Kovalski, Columbus  
 Mary Francesca Lai, North Canton  
 Gilbert Edmund Lentol, Lima  
 Abby Hyla Levenson, Cleveland  
 Todd Russell Limp, Canton  
 Andrew Phillip Long, Tucson, AZ

Nikita Lynn Lowry, Detroit, MI  
 Steven Douglas Maines, Columbus  
 Julie Ann Marin, Uniontown  
 Nicole Julie Marmen, Shaker Heights  
 Mangalam Marthandan, Cambridge  
 Kelly Diane Martin, Lancaster  
 Sean Arthur McCarter, Mentor  
 Kimberly Jo McCartney, Columbus  
 David Edward McGlynn, Westlake  
 Jon Robert McLaughlin, Sandusky  
 Michelle Frieda Meyers, Mansfield  
 Miriam J. Mikesell, Coshocton  
 Edward Louis Mikula, Rocky River  
 Donald Wayne Miller, Columbus  
 Khrystian Elizabeth Miller, Columbus  
 Louis Lawther Miller, Columbus  
 Traci Annamarie Miller, Columbus  
 Lisa Ronette Moreland, West Lafayette  
 Michelle Lynn Morrison, Copley  
 Elizabeth Cooper Mullen, Columbus  
 William Joseph Neutzing, Columbus  
 Thuy Mai Thi Nguyen, Powell  
 John Patrick O'Boyle, Cleveland  
 Ann Marie Obringer, Vandalia  
 William Kevin O'Donnell, Solon  
 Dorie J. Olson, Lorain  
 Leticia Yolanda O'Neil, Columbus  
 Andrew Marc Paley, Cleveland  
 Roseanne Renita Patrick, Columbus  
 Julie Elizabeth Pelton, Dublin  
 Jill Michelle Poldruhi, Parma  
 David Gordon Ponta, Reynoldsburg  
 Lisa Lee Prudhoe, Rocky River  
 Stephen John Pulley, Lima  
 John Raymond Radkowski III, Ashtabula  
 Jason Markham Recht, Wheeling, WV  
 Brenda Deniece Reed, Cleveland  
 David Thomas Reed, Cincinnati  
 Diane Lee Rentz, Chagrin Falls  
 Belinda L. Reynolds, Ashville  
 Leanna Beth Rhodehamel, Fairborn  
 Jason Russell Ricketts, Springfield  
 Matthew Andrew Rider, Austintown  
 Stephen Allen Robbins, Westerville  
 Christopher Jay Rosen, Columbus  
 Robert Jay Rosen, Lyndhurst  
 John Henry Rumer, Jr., Pemberville  
 Kathryn Anne Runkle, Bellefontaine  
 Ashraf Sabrin, Columbus  
 Tamara Marie Schmidt, Scandia, MN  
 Lara Ayn Schultz, Tiffin  
 Scott Hunter Shaw, Columbus  
 Leslie Ann Shepherd, Columbus  
 Carrie Louise Shoultz, Columbus  
 Rhonda Lynn Shumaker, Marion  
 Joy Heidi Sisler, Mayfield Heights  
 Stephanie Elizabeth Skelley, Coshocton  
 Melissa Beth Skillings, Pickerington  
 Dana Katherine Smetzer, Whitehouse  
 Douglas Grant Smith, Marion  
 Susan Marie Smith, Columbus  
 Amber Trachelle Sparks, Hillsboro  
 Douglas Brian Stelnicki, Toledo  
 Christopher Keith Stringer, Bolivar  
 Ellen Marie Strzyfeler, Youngstown  
 Tiffany Tabatabai, Columbus  
 Julie Singleton Tabor, Columbus  
 Craig Evan Thompson, Lucas  
 Joseph Edward Thompson, Columbus

Leslie Ayn Toepfer, Columbus  
 Patricia Karen Torok, Valley City  
 Julie Marie Traugh, Galion  
 Timothy John Ulmer, New Bloomington  
 Kathleen Ann Vukovich, Wadsworth  
 Catherine Christine Wagner, Columbus  
 Pamela Kay Waldron, Chillicothe  
 Mark Alan Walker, Cleveland  
 Andrew Gamaliel Warnes, Columbus  
 Jenna Faith Wax, Beachwood  
 Carolyn Webb, Shaker Heights  
 Earnest George Wells, Springfield  
 Amy Terese Westwick, Batavia, NY  
 Karen Lee Whichard, Columbus  
 Julie Marie Wills, Mineral Ridge  
 Carol Sue Wilson, Columbus  
 Lisa Eileen Wilson, Columbus  
 Laura Ann Wiltzie, Lima  
 Steven Barrett Wisbey, Cincinnati  
 Katherine Elizabeth Wood, Galena  
 Lisa Deanne Young, Hudson  
 John Robert Zajac, Lincoln Park, MI  
 Michael Lee Zelvy, Beachwood  
 Valerie June Zielinski, Rocky River  
 Edward Ernest Zinkon, Fresno

## Bachelor of Science

Jimmy Lee Ball, Cincinnati  
 Julie Lark Chapin, Cleveland Heights  
 Antoinette Marie Dezzutti, Chardon  
 Elizabeth Lauren Doolittle, Mentor  
 Miriam J. Ellis, Columbus  
 Stephen George Hirt, Akron  
 Stuart James Kanter, Mayfield  
 Terrence Leonard Koudelka, Jr., Hinckley  
 Eric Richard Lamprecht, Columbus  
 Craig M. Mines, Bayside, NY  
 Ronald Edward Moreno, Chesterland  
 Douglas Jay Perkins, Tipp City  
 Eric Stuart Polack, Mayfield Heights  
 Holly Anne Porter, Mentor  
 William Randolph Romani, Jr., Columbus  
 Steffen Reinhold Schmidt, Bad Windsheim, West Germany  
 Muhammad Nasir Shakour, Sandusky  
 Shao Yih Jeffrey Tng, Columbus  
 Susan Lynette Vitatoe, Oxford  
 Michael Stephen Wells, Sunbury  
 Lisa Sue Young, Heath

## School of Journalism

### Bachelor of Arts in Journalism

Kevin Scott Adelstein, Lyndhurst  
 Aria Ala-U-Dini, Worthington  
 Kathleen Jean Baumgardner, Akron  
 Tawnya Sue Berkey, Whitehall  
 Raquel Nicole Blocker, Columbus  
 Patricia Elizabeth Borne, Westerville  
 Nancy Lynne Brigham, Galena  
 Jeffrey Mark Brodeur, Powell  
 Scott Adam Campbell, Upper Arlington  
 Frank Anthony Cirino, Jr., Mayfield Village

Michele Marie Clary, Newark  
 Stephen Roger Cornell, Upper Marlboro, MD  
 Michael Patrick Delahunt, Westerville  
 Michelle Lynne Dimmick, Shadyside  
 Nora Cecelia Donovan, Willoughby Hills  
 Paul Houston Dubuc, Centerville  
 Allison Alanna Fanning, Mansfield  
 Rosemarie Fernández, Lorain  
 John Anthony Fette, Cincinnati  
 Donna Marie Francis-DuPreé, Toledo  
 Tammy Marie Galvin, Huntington, CT  
 Natalie Lynn Garvin, Worthington  
 Judy A. Matulevicius Goad, Wadsworth  
 Louis Peter Gordon, Columbus  
 Patricia Marshman Guthrie, Cleveland  
 David Thomas Hack, Cincinnati  
 Richard A. Hennosy, Lancaster  
 Holly Louise Henry, Lancaster  
 Michelle Susanne Hill, McComb  
 Alan Bradley Hook, Columbus  
 Robin John Howlett, Rocky River  
 HopeAnn Kauffman, Fostoria  
 Michael David Kling, Canton  
 Tim Leroy Koehler, Upper Sandusky  
 Karyn Marie Kreps, Solon  
 James Edward Lindsay, Columbus  
 Anna Michele McCollister, Ironton  
 Jennifer Ann McPhetres, Kettering  
 Michelle Kathleen Meekins, Worthington  
 Matthew Paul Meyers, Steubenville  
 Kimberly Ann Miller, Fremont  
 Mary Lucille Olander, Columbus  
 Christopher Hanesworth Pickering, Evanston, IL  
 Julie Ann Picone, Solon  
 Phillip Cruz Pifa, Lima  
 Tracie Christine Friday, Dublin  
 Scott Martin Rex, Brantford, Ontario, Canada  
 Derek William Rimko, Olmsted Falls  
 Renée Marie Ritchey, Columbus  
 Christopher Don Sadler, Chambersburg, PA  
 Lisa Rose Sapp, Kent  
 Nanette Marie Scarpellini, Cincinnati  
 Mark Alan Scarpino, Centerville  
 Debra Marie Schaney, Chagrin Falls  
 Kimberly Elise Sirkin, Columbus  
 Ryan Day Somerville, Upper Arlington  
 Samantha Marie Spaulding, Painesville  
 Darla McComas Stimer, Columbus  
 Michael Robert Wagner, Sandusky  
 Kimberly Lyn Wallace, Mentor  
 Shawn Jeffrey Walton, Columbus  
 Laura Alene Wasserman, Solon  
 Jennifer Kristan White, Columbus

## College of Agriculture

Acting Dean: J. Robert Warmbrod

### Bachelor of Science in Agriculture

Michael Frederick Allen, Newark  
 Barry Dale Anderson, Circleville  
 Paul Jarvis Buskirk, Tiffin  
 Gregory Dean Butler, Marysville



Wan-li Chuang, Hsinchu, Taiwan, R.O.C.  
Nathan William Coleman, Shreve  
Sara Ann Crowe, Alger  
Timothy Patrick Cunningham,  
Youngstown

Ernesto Alejandro De Palacios, Columbus  
Timothy Allen Gehring, Dublin  
Jay Robert Hannan, Toledo  
Bennie Paul Hillyer, Jr., Kensington  
Samantha Annette Johnson, Somerset  
Bryan Layne Kessler, Tiffin  
Karl Jeffrey Kisner, Gahanna  
Diane Ruth Morrison, Jefferson  
Susan Marie Mikesell, Frazeeburg  
Stephen Andrew Miller, Milford  
William John Miller, Columbus  
Meredith Lee Mills, Lower Salem  
Donald Oscar Noble, Chesterville  
David Kevin O'Reilly, Chardon  
Elizabeth Ann Paulin, Hamilton  
Richmond Hobson Pearson, Cincinnati  
Marilyn Kay Rinker, Springfield  
Bruce Allan Schmucker, Louisville  
Carl Clark Scott, Bloomington  
James Allyn Stickley II, Covington  
Michael Ray Temple, Bellville  
Robert George Timmons, Chagrin Falls  
Franklin Brian Wells, Columbus  
James Charles Wiedenheft, Sandusky

#### **Bachelor of Science in Food Science**

Carolyn Louise Pickens, Warren  
Robert Frank Sexten, Xenia

#### **Bachelor of Science in Nutrition**

Robin Marie Moyer, Jackson

#### **School of Natural Resources**

##### **Bachelor of Science in Natural Resources**

Jason Paul Beason, Xenia  
Tung-Yang Cheng, Taipei, Taiwan, R.O.C.  
Thomas Anthony Cox, Hamilton  
Kathryn Marie Davis, Zanesville  
Michelle Lee Devine, Worthington  
Darla Ann DiFabio, Geneva  
Cynthia Ann Fultz, Columbus  
John Herbert Giltner, Jr., Delaware  
Ronald Eric Schultz, Curtice  
Amy Elizabeth Sprunger, Seville  
Amy Marie Westhoven, Dublin

#### **Agricultural Technical Institute – Wooster**

##### **Associate in Applied Science**

Wendy Jean Bailey, Bellaire  
Curtis Allen Bechdel, Ravenna  
Gerald Martin Buerkle II, Clarksville  
Chadwick Lee Davis, Vermilion

Bryan Robert Deeken, Stow  
Elizabeth Anne Duda, West Lafayette  
Christina Noel Franks, Wooster  
Eric David Gilbey, Salem  
Janet Leasta Hughes, Swanton  
Samuel A. Masi, Medina  
Daniel Thomas McClaren, Brook Park  
Bryan Scott Miller, Greensburg  
Ann Paula Negley, New Philadelphia  
William Carl Newland, Jr., Ostrander  
Mark Douglas Niemczyk, Apple Creek  
Clay Burton Putnam, Columbiana  
Michael Lawrence Ranallo, Mayfield  
M. Bradley Roush, Lancaster  
James Kevin Scott, Kent  
Adam Wade Smith, Atwater  
Diana Jean Wallace, Cleveland

#### **College of Business**

Acting Dean: Astrid E. Merget

##### **Bachelor of Science in Business Administration**

Thomas Angelo Abbati, Worthington  
Parul Agrawal, Memphis, TN  
Chad Arthur Amato, Worthington  
Rebecca Howell Artz, Marion  
Bradley Eugene Ashbrook, Canton  
Joseph Valentine Baginski, Lakewood  
Edward Eugene Bame, New Carlisle  
Stephen Sams Barranco, Jr., Xenia  
Judith L. Barthel, Centerville  
Todd Allen Bates, Cambridge  
Kimberly Ann Baumgardner, Blacklick  
Arlene Michelle Bell, Dayton  
Stephen J. Bennett, Worthington  
Michael Scott Berry, Columbus  
Brett Alan Bleichrodt, Canal Fulton  
Stasi Beth Bogner, Willard  
James Robert Botdorf, Westerville  
David Earl Boyd, Shadyside  
Deborah Louise Bozsvai, Solon  
Lisa Sue Brown, Kenton  
David Harry Buck, Parma  
Terry Lee Burchett, Centerburg  
Ryan David Campbell, Marion  
Douglas Robert Catron, Warren  
Theresa M. Cecil, Columbus  
Mary Beth Cerny, Dublin  
Chwee Fong Chin, Micca, Malaysia  
Kok Leong Chin, Kajang, Malaysia  
Lisa Ilene Chizever, Worthington  
Frederick H. Cho, Columbus  
Mitzie Jo Chrisman, Homer  
Richard Alan Clemens, Dayton  
Darlene K. Colopy, Painesville  
Stephen W. Conner, Warren  
Heather Lea Cunningham, Grove City  
Thomas Allan Danford, Willoughby Hills  
Julie Ann Davis, Zanesville  
Matthew Alan DeCarlo, Grove City  
Marvin Brian Deck, Coalton  
Michael John Dennis, Maumee  
Petr Patrick DeVito, Canton  
Kevin R. Dibelius, Boise, ID

Richard Michael Diehl, North Olmsted  
LeeAnn DiGirolamo, Worthington  
Thomas Geoffrey Dillon, Worthington  
Amy Sue Dlugokecki, Brunswick  
Charles Michael Dobbins, Jr., Columbus  
Michael Edwin Doran, Columbus  
Brad M. Drew, Defiance  
David Allen Druckenbroad, Urbana  
Roderick Norman Dunham, Jr., Cleveland  
Richard Andrew Ebel, Cincinnati  
Kok Foh Eng, Kuala Lumpur, Malaysia  
Judith Ann Fallon, Columbus  
Steven James Fillis, Canton  
Michelle Krista Foltz, Cincinnati  
John William Fuller, Westerville  
John Christopher Gair, Mentor  
Kenneth Dean Garman, Akron  
Patrick E. Garman, Germantown  
Todd A. Garrett, Columbus  
Thomas D. Garvey, Hudson  
Scott Alan Gases, West Chester  
Timothy Paul Gengler, Cincinnati  
Terry Dean Gerwig, Ashland  
Elaine Kay Getz, Lancaster  
Henry Franklin Gingerich, Cleveland  
Konstantinos Christos Glavas, Athens, Greece

Kathryn Marie Goudelock, Lima  
Kevin Wayne Gregor, West Chester  
Donald John Griesmer, Parma  
Mark James Groner, Fort Jennings  
Erick Michael Grow, Versailles  
Terry D. Gullett, Dayton  
Stephanie Alice Gunter, Piqua  
Paula Diane Gutman, Amherst  
Demetris Charalambous Hadjisofocli, Nicosia, Cyprus  
Beecher B. Hale, Columbus  
Chris A. Hale, New Philadelphia  
Roy Eugene Halyama, Warren  
Carl W. Hambleton, Parma Heights  
Michelle Yvonne Hamiel, Dayton  
Craig F. Hardwick, Wheaton, IL  
Cindy Jo Harmon, Columbus  
Randolph Lee Harrison, Wilmington  
George Eric Hartig, Grove City  
Duke Easton Heger, Los Angeles, CA  
Christine Leigh Heil, Columbus  
George William Henderson, Jr., Columbus  
Letitia Lynn Henry, Newark  
Brady Charles Hicks, Gilboa  
Christopher L. Hill, Cincinnati  
Connie Joan Hofmann, St. Marys  
Kuo Chih Hsiao, Washington, DC  
Glenn Alan Huckins, Columbus  
Carey Hennings Johnson, Dayton  
Mark Stephen Johnson, Massillon  
Patrick John Jokerst, Galion  
Vincent Curtis Jolly, Wapakoneta  
Christopher Eliot Jones, Carrollton  
Karrie Jane Kaeser, Ashland  
Kelly Ann Kagels, Cleveland  
Matthew David Kamer, Worthington  
Dean J. Kampman, Chagrin Falls  
Barry Mark Kaplan, Akron  
Carmen Jo Karhoff, Findlay  
Mark Alan Kennedy, East Liverpool  
Matthew J. Kinkelaar, Dublin  
Guy Michael Kiosterman, Salem

Steven Michael Klotz, West Lafayette  
 Joanne A. Koustis, Cleveland  
 Steven Robert Kreim, Newark  
 Barrett William Kroeger, Bascom  
 Victor Iwanovich Kunakowsky, Lorain  
 Ted Andrew Kuttrus, Canton  
 Melinda Leigh Lancaster, Charlottesville, VA  
 Brian Thomas Latimer, Warren  
 Carolyn L. Latta, Columbus  
 Chi-Mun Lau, Hong Kong  
 Paul Joseph Lazarony, Sandusky  
 Garry D. Ledbetter, Jr., Morristown, IN  
 Esther Chung Ah Lee, Woodland Hills, CA  
 Joanne Lee, Akron  
 Ronno Lee, Hong Kong  
 Dena Faye Leff, Clayton  
 Rick Lee Legue, Blacklick  
 James E. Lemon, Reynoldsburg  
 Tes-Bin Lin, Columbus  
 Louis Charles Loeffler, Columbus  
 Melinda Elaine Lutsch, Salem  
 Brett Edward Lyne, Ashland  
 Peter A. Lynch, Columbus  
 Robert Brian Magorin, Woodsfield  
 Jill Anne Magyar, Winterville  
 Azni Jaya Mansor, Kuala Lumpur, Malaysia  
 John Michio Marang, Columbus  
 Renato Dino Marino, Mayfield Village  
 Anthony Ross Mastracci, Columbus  
 Melissa Ann Mauser, Avon  
 Dominic Thomas Maxwell, Worthington  
 Susan Ashley McCoy, Circleville  
 Deborah J. McDonald, Newark  
 Michael Carl McGrew, Akron  
 Bradley Todd McKamey, Leesburg  
 Dean John Meyer, Botkins  
 Marcia Ann Mikols, Toledo  
 Mitchell Alan Miller, Dayton  
 David Joseph Millett, Willowick  
 Marla Ruth Morlock, Wayne  
 Matthew James Mountain, Grove City  
 Troy A. Mudgett, Lima  
 Sorin Muica, Canton  
 Jennifer L. Murray, Cleveland  
 Brian Ray Myers, Columbus  
 Joseph S. Nelkin, Akron  
 Alexander M. Newman, Cleveland  
 Monica Victoria Newman, Cleveland  
 Kellie Rae Oakley, Cambridge  
 Debra Lynn Osborne, Mansfield  
 James Charles Paolucci, Mayfield Heights  
 Elizabeth Jo Parson, Columbus  
 Laurene Louise Patterson, Columbus  
 Mickey Eugene Pennington, Jr., Whitehall  
 Lonnie Marc Perlman, Pickerington  
 Douglas Michael Planitz, Cortland  
 Michelle Lynn Plochocki, Huber Heights  
 Ronald Jay Plumley, Madeira  
 Tanya Renee Pogorelc, South Amherst  
 Thomas Anthony Posipanka, Willowick  
 Ty Allen Pruett, Canton  
 Molly Elizabeth Quillin, Columbus  
 Steven Daniel Rejent, Toledo  
 Andrew Roger Remlinger, Columbus  
 Teresa Ann Rethman, Versailles  
 James Richard Reutener, Vermilion

Scott Allyn Rice, Worthington  
 Mysti Layne Roberts, Zanesville  
 Patrick David Robertson, Columbus  
 Tonette S. Rocco, Columbus  
 Gayle Lynn Romeo, Lutz, FL  
 Peter Steven Romito, Middleburg Heights  
 Jeffrey David Rubinstein, Canton  
 Cheryl Lynn Runion, Youngstown  
 Richard Corbett Rutherford, Reynoldsburg  
 Christopher James Ryan, Dayton  
 Paul David Sampliner, Shaker Heights  
 Kristy L. Sanders, Springfield  
 Daniel Raymond Sauer, Columbus  
 Mark Alan Schatz, Dayton  
 Holly Ann Schindler, Delaware  
 Wendy Ann Schneider, Mentor  
 Eric Robert Schwartz, Cleveland  
 Stephen Michael Schwartz, Columbus  
 Susan Martha Scott, Akron  
 Jeffrey Michael Shepard, Lakewood  
 Joseph Michael Shin, Stow  
 Steven Michael Singer, Portsmouth  
 Linda M. Skinn, Beavercreek  
 Steven Mitchell Sladoje, Westerville  
 David Mark Slobodzin, Port Clinton  
 William H. Smith, Gahanna  
 Mae A. Smitherman, Cincinnati  
 Todd Matthew Smithers, Columbus  
 Gale Marie Spears, Toledo  
 Michael E. Spiegle, Cleveland  
 Gretta Wilson Spier, Mentor  
 Eric C. Stachler, Lakeview  
 Holly Ann Stettler, Columbus  
 Noel S. Stover, Gallipolis  
 Cheryl Diane Stroh, Wadsworth  
 William Douglas Styers, Mt. Vernon  
 Jongwook Sung, Seoul, South Korea  
 Tamara Susan Sweitzer-DuSchield, Gahanna  
 Christina Poh Ching Tay, Johor Bahru, Western Malaysia  
 Bryan Vincent Telepak, Lyndhurst  
 Keith Edward Thompson, Mansfield  
 Thomas Darwin Thompson, Alto, MI  
 Angela Christine Thran, Galion  
 Jana Marie Tice, Orrville  
 Pamala Ann Tubbs, Coshocton  
 Joseph James Vauter, Chesterland  
 Scott Christopher Vetter, Fort Jennings  
 Christine Joan Wachala, North Royalton  
 Melissa Anne Wagner, Beverly  
 Susan Marie Ward, Worthington  
 Andrew Allen Wasto, Columbus  
 Craig Alan Weber, Mansfield  
 Douglas James Wells, Columbus  
 Franklin A. White, Columbus  
 Steven Matthew White, Waldo  
 Tiffany Shawn Wilkens, Avon Lake  
 Julie Ann Williams, Urbana  
 Patrick Micheal Williamson, Mansfield  
 Della M. Wittenmyer, Rawson  
 Diane Lynn Woods, Worthington  
 Kerri Lynn Woolley, Springfield  
 William Wesley Wright, Newark  
 Kelly Denise Yaeger, Powell  
 Jane Lonn Yee, Columbus  
 Kwong Wai Yeung, Hong Kong  
 Michelle Lynn Zaayer, Columbus

Jeffrey L. Zitel, Richmond Heights

## College of Dentistry

Dean: William R. Wallace

## Doctor of Dental Surgery

Cheryl Gwen Rockhill, Columbus  
 B.A. (Wittenberg University)  
 Ronald Robert Strisofsky, Jr., Erie, PA  
 B.S. (East Stroudsburg State College)

## Bachelor of Science in Dental Hygiene

Stacy Lynn Pressman, University Heights  
 Steven Alan Woyat, Rittman

## College of Education

Dean: Donald P. Anderson

## Bachelor of Science in Education

David E. Aldstadt, Jr., Galloway  
 Barbara Brooke Allen, Winter Park, FL  
 Patricia Ann Anderson, Nevada  
 Frederick Michael Armstrong, Columbus  
 Melinda Marie Bailey, Canton  
 Bryon Lee Banks, Lucas  
 Cassandra Corrine Barok, Grove City  
 Lisa Marie Baumeister, Hilliard  
 Michelle Lynn Blanton, Columbus  
 Deborah Jo Boer, Columbus  
 Jenny Renee Botelho, Columbus  
 James Stuart Christman, St. Marys  
 Michael Anthony Cirino, Mayfield  
 Beata Zsuzanna Clark, Baltimore  
 Bradley Tyler Clark, Springfield  
 Nancy Ann Coburn, Upper Sandusky  
 Cheryl Lynn Crouch, Columbus  
 Marla Corns Dunn, Bucyrus  
 Deborah Marie Fentiman, Columbus  
 Tammy Lynn Fleming, Mansfield  
 Tammy K. Force, Greenville  
 Aimee Maria Frantz, Sidney  
 Elizabeth Mary Gardner, Columbus  
 Cindy Marie Gibbs, East Liverpool  
 Julie Ann Gibeau, Columbus  
 Margaret Ann Glascott, Norristown, PA  
 Carolyn Jeanne Glover, Laureville  
 Ernest D. Glover, Lorain  
 Faith Anne Good-Shinn, Rushville  
 Dwight Warner Goss, Rockbridge  
 Denise Sandra Greene, Columbus  
 Carolyn Kay Guercio-Wisler, Delaware  
 Jennifer Marie Hammond, Worthington  
 Rodney Ray Hardesty, Coshocton  
 Douglas Edward Hartenstein, Bloomville  
 Karla Rene Hayes, Columbus  
 Suzanne R. Heistan, St. Marys  
 Alanna R. Hering, Lakewood

Amy Louise Hohman, Delphos  
 Daniel Joseph Homoeille, Hilliard  
 Jennifer Lynn Hyder, Mentor  
 David Alan Judson, Delaware  
 Paul Krakovsky, Cincinnati  
 Kevin Robert Kuhn, Galion  
 Cindy Sue Leach, Grove City  
 Byron Keith Lee, Columbus  
 Jon Charles Linebrink, Newark  
 Clarence Morton Littrell, Jr., Columbus  
 Don Kennedy Mace, Uniontown  
 Kimberly Kay McCartney, Westerville  
 Lisa Michelle McElwee, Hanover  
 Melanie Ann McGue, Columbus  
 Mynda Leigh Meredith, Hebron  
 Sheryl Ann Meyer-Kadar, Columbus  
 Carrie Min, Bridgeport  
 Ronald Lee Moore, Columbus  
 Stephanie Ann Nash, Gahanna  
 Anthony Scott Odenweller, Delphos  
 Debra JoEllen Parpacen, Mt. Vernon  
 Theresa Ann Paulson, Whitehall  
 Hollie Lynne Poe, Westerville  
 David Polonia, Columbus  
 Alicia Ann Pope, Pickerington  
 Sonia Robertson, Cincinnati  
 Pamela Jeanne Rogers, Worthington  
 Cynthia Rose Ruble, Bridgeport  
 Victoria Melane Shoe, Newark  
 Pamela Ann Smith, Powell  
 Todd Eric Smith, Columbus  
 David Lee Snyder, Lima  
 Vicki Lynn Spetrino, Chesterland  
 Angela Marie Trivonovich,  
 Cuyahoga Falls  
 Steven Glenn Wagner, West Chester  
 Jennifer Lynn Wallick, Dover  
 Dianne Michelle Weiler, Mt. Gilead  
 Carrie Lynne Welch, Columbus

**Bachelor of Art Education and Bachelor of Music Education degrees are offered jointly by the College of the Arts and the College of Education. Candidates are listed under the College of the Arts.**

## College of Engineering

Dean: Donald D. Glower

### Bachelor of Science in Aeronautical and Astronautical Engineering

Kelly Susan Caldas, Canton  
 Patrick Melvin O'Brian, Bucyrus  
 Timothy Ronald Welsh, Elyria

### Bachelor of Science in Agricultural Engineering

James Michael Huwer, New Weston

### Bachelor of Science in Aviation

Carolyn Louise Destefani, Columbus  
 Paul David Parker, Delaware

### Bachelor of Science of Chemical Engineering

Patricia Ann Bletzacker, Dublin  
 Scott John Cain, Akron  
 Craig Michael Kehres, New Washington  
 Tammi Sue Minella, Hamilton  
 William Barton Northup, Elida  
 Stephen Harold Rosansky, Columbus  
 Khanh Kim Trinh, Columbus  
 Alex Charles Woravka, North Ridgeville

### Bachelor of Science in Civil Engineering

George Douglas Allen, Jr., Columbus

### Bachelor of Science in Computer and Information Science

Stephen Thomas Anthony, Columbus  
 Matthew Eric Fisher, Fairborn  
 Andrew Joseph Hartzell, Gettysburg, PA  
 Anthony Charles Jung, Elyria  
 Hin Seng Lee, Seria, Brunei  
 Yee Tim Lee, Hong Kong  
 Christopher Scott Mace, Beavercreek  
 Timothy Lee Meekins, Hilliard  
 James Alan Nemcek, Butler, PA  
 James Patrick Perone, Ankeny, IA  
 Constantina Venetia Spantithos,  
 Columbus  
 Dawn Elaine Spencer, Fairview Park  
 Kuan-Chao Leo Wang, Taipei,  
 Taiwan, R.O.C.

### Bachelor of Science in Electrical Engineering

Louis William Bell, Panama, Panama  
 Gregory Clark Bledsoe, Beavercreek  
 Stephen Thomas Bonamer,  
 Broadview Heights  
 Mark Edgar Brattlie, Monroe  
 Lori Robin Carnsew, Ravenna  
 James Richard Duff, Ravenna  
 Gregory Paul Hord, Lima  
 Moazzam Khan, Karachi, Pakistan  
 Eric Bradley Layne, Ironton  
 Kenneth Richard Rastatter, Willowick  
 Edward Alan Steele, Mansfield

### Bachelor of Science in Engineering Physics

Scott Anders Caldwell, Pittsford, NY  
 Samuel Joseph Stafford, Delaware  
 Shady Hasan Suleiman, Columbus

### Bachelor of Science in Industrial and Systems Engineering

Trent Anson Kelly, Cincinnati  
 Paula Ling, Dayton  
 Ellen Kay Russell, Sandusky  
 Deborah Jane Seliga, Seattle, WA

### Mechanical Engineer

Arturo Machado, Monterrey, Mexico

### Bachelor of Science in Mechanical Engineering

Anthony Marinus Goecke, Maria Stein  
 Frank Timothy Hoffman, Columbus  
 Kinda A. Khalaf, London, England  
 Anthony Toby Paganini, Centerville  
 James Paul Reinmann, Rocky River  
 Thomas James Royston, Cincinnati  
 Mohamed Kamel Salaani, Tunis, Tunisia  
 Paul Andrew Schmitz, Olmsted Township  
 Lieanto Sufri, Medan, Indonesia  
 Jeffrey Andrew Smith, Fostoria  
 Mohamed Trigui, Sfax, Tunisia

### Bachelor of Science in Metallurgical Engineering

John Neuman DuPont, Perkasio, PA  
 Thomas Edward Grubach, Jr., Kirtland  
 John Paul Naizer, Barberton

### Bachelor of Science in Welding Engineering

Michael Palko, Parma

## School of Architecture

### Bachelor of Science in Architecture

Scott Francis Bertolo, Syracuse, NY  
 David Allen Beyer, Worthington  
 Andrew Scott Bishop, Galena  
 Stephen Adam Bohlen, Bethesda, MD  
 Jason Thompson Bour, Rocky River  
 Steven Edward Cochran, West Jefferson  
 Chester Nicholas Croce III, Columbus  
 William Erik Heintz, Bellbrook  
 Timothy Edward Hirschfeld, Celina  
 S. Michael Hoffman, Chesterland  
 Gregory Way Merryweather, Akron  
 Andrea C. Persanyi, Bay Village  
 Christopher John Richard, Lagrange  
 Rupinder S. Singh, Gaithersburg, MD  
 Steven James Wilson, Dover

### **Bachelor of Science in Landscape Architecture**

Joseph Daniel LeLonek, Orient  
Carrie Jo Mahle, New Castle, PA

### **College of Human Ecology**

Dean: Lena Bailey

### **Bachelor of Science in Human Ecology**

Shirley Ann Ackerman,  
East Amherst, NY  
Irene Marie Anderson, Fleming  
Sondra Lee Antinone, Mingo Junction  
Renée Michelle Arturo, Cheswick, PA  
Michelle Lynn Batdorf, Perrysburg  
Sandra Rose Biehl, Worthington  
Leigh Ann Bowman, Reynoldsburg  
Alisa Michelle Brotsky, Akron  
Kara Michele Chenette, Westlake  
Philip Micheal Crawford, Columbus  
Debra Jean Dalton, Westerville  
Paige Ellen Davis, Waynesfield  
Deanne Lynn Dradt, Wintersville  
Christine Marie Englehart, Strongsville  
Suzanne Elise Fenton, Elida  
Kristine Marie Flesse, Strongsville  
June Katherine George, Tiltonsville  
Angela Marie Green, West Chester  
Melinda Anne Green, Toledo  
Faith Marie Hammer, Troy  
Melisa Anne Hudson, St. Clairsville  
Wendy Dee Jackson, Bellefontaine  
Yasaman Kiarad, Sepulveda, CA  
Michelle Lynn Lewis, Columbus  
Angela Denise Martin, Columbus  
Jennifer Beth Masarof, Scarsdale, NY  
Rochelle Laroi Mills, Hamilton  
Lisa Dawn Moskowitz, Cincinnati  
Theresa Mary Mostowy, Canton  
Margery Kilbourn Munger, Worthington  
Lara Rowena Norcross, Columbus  
Michelle Lynn Nusbaum, Richfield  
Jenifer Ann Olsen, Rocky River  
Penny Lynn Pannier, Marietta  
Charlene Ann Park, Ashtabula  
Howard Alan Shafron, Gates Mills  
Dru Ann Shirley, Gahanna  
Stephanie Ann Sifferlin,  
New Philadelphia  
Marcia Marie Smith, Massillon  
Elizabeth Anne Sopko, Columbus  
Tracey Ellen Storts, Columbus  
Lindy Sue Teittel, Cleveland Heights  
Valerie Toliver, Columbus  
Theresa Marie Vandivort, Lakewood  
Jill Ann Waschura, Euclid  
Angela Diane White, Zanesville  
Kyla Ann White, Worthington

### **Bachelor of Science in Hospitality Management**

Lorraine Lynne Amato, Lorain  
Andrew Allen Bero, St. Louisville  
Reid Carpenter Black, Jr., Mansfield  
Nancy Katherine Brune, Dayton  
Michelle Rene Gledhill, Galion  
Debra Kathryn Hennel, Cincinnati  
Alan Robert Jefferson, Columbus  
Susan Lynn Johnson, Macedonia  
Trevor Jay Leonard, Delaware  
Timothy Joel Le Pontois, Columbus  
Heather Nicole Martin, Loveland  
Christopher Lars Mills, Defiance  
Michael Dana Piek, Reynoldsburg  
Kristen Kaye Rose, Worthington  
Brian Eugene Ross, Seville  
Timothy Donald Sicafuse, Poland  
Randall Lee Sitz, Medina  
Jeffery Allan Smith, Columbus  
Derek Alan Stockton, Toledo

### **College of Medicine**

Dean: Manuel Tzagournis, M.D.

### **Doctor of Medicine**

Debra Renée Baskett, Columbus  
B.S. (Winston-Salem State University)  
Tamara Singleton Bekele, Yellow Springs  
B.S. (Wright State University)  
Timothy Lee Bringer, Centerburg  
B.S. (Wheeling College)  
Kory Joseph Knapke, Van Wert  
B.S. (Heidelberg College)  
Garry Robert Lee, Waipahu, HI  
B.S. (University of Hawaii)  
Mary Christine McCarthy, Lima  
B.A. (Otterbein College)  
Douglas Ray Schumacher, Findlay  
B.S. (Bowling Green State University)  
Sheryl Kay Spadone, Cuyahoga Falls  
B.S. (University of Akron)  
Anne-Therese Stubbs, North Olmsted  
B.S. (University of Notre Dame)

### **School of Allied Medical Professions**

### **Bachelor of Science in Allied Health Professions**

Taffie Sue Abrams, Newark  
Rebecca Lynn Anderson, Mingo Junction  
Susan Elaine Belley, Orange Village  
Sandra Jane Bundenthal, Tipp City  
Linda Ellert Burns, Cincinnati  
Mary Kay DiLiddo, Seven Hills

Marci Joan Einstein, Beachwood  
Lisa Anne Fatica, Akron  
Julie Lynn Fouch, Middletown  
Karen L. Gordon, Cincinnati  
Debra Ann Graff, Cincinnati  
Jodi Lynn Hans, Ashland  
Karen Lea Hope, Elk Grove, CA  
Richard Blair Hopkins, New London  
Paulina Hrcan, Mansfield  
Peggy Ann Kleer, Shelby  
Vickie Lee Lantz, Buckhannon, WV  
Katherine Ann Lauderbach, Fairborn  
Suzanne Michele Lizewski, Wickliffe  
Dale Edward Mescher, Vandalia  
Pamela Jean Mills, Grove City  
Shelye Jo Mishler, Uhrichsville  
Diane Elizabeth Morris, Englewood  
Karen Lynn Motley, Carlisle  
Elaine E. Phalen, LeRoy, MI  
Loa Hathaway Ransom, Galena  
Elizabeth Anne Ray, Upper Arlington  
Yvette Gayle Rogers, Kansas City, MO  
Rhonda Marie Shonk, Columbus  
Shantée Tricia Tiller, Columbus  
Tamala Lynn Valentine, New Carlisle  
Kenneth Alvin Wilkins, Grove City  
Ka Wa Yu, Columbus  
Jennifer Ann Zordich, Austintown

### **College of Nursing**

Dean: Carole A. Anderson

### **Bachelor of Science in Nursing**

Jo Ellen Bartko, Gallipolis  
Norma Jean Butts, Columbus  
Katherine Anne Gale, Marengo  
Margaret Lynn Habermehl, Wilmington  
Peggy Sue Hale, Vaughnsville  
Sally Ann Heal, Columbus  
Simona Lydia Moore, Lancaster  
Sharon Ann Mulcahy, Columbus  
Pamela Lynn Pepke, Akron  
Sherry Lynn Petkus, Columbus  
Marie Antionette Phillips, Botkins  
Jan Ann Rupert, Columbus  
Ruth Ariene Tolson, Columbus  
Carole Lynn Waller, Dayton

### **College of Pharmacy**

Dean: John M. Cassidy

### **Doctor of Pharmacy**

Stephen William Janning, Kettering  
B.S.Pharm.  
Zachariah Matthews, Johannesburg,  
Union of South Africa  
B.S.Pharm. (Technikon Witwatersrand)  
Jeffrey Lee McVey, Erie, PA  
B.S.Pharm. (University of Pittsburgh)

Lisa Ann Porter, South Charleston  
B.S.Pharm.

William Robert Spreen, Cincinnati  
B.S.Pharm. (University of Kentucky)

### **Bachelor of Science in Pharmacy**

Vincent Alibrando, Baltimore  
Travis Lynn Anderson, Worthington  
Kathleen Louise Axford, Wooster  
Debra Jane Barnette, Pickerington  
Kristine E. Behrend, Columbus  
Lauree Beshara, Canfield  
Christopher David Boch, Lancaster  
Steven J. Brownsberger, Louisville  
Lori Ann Cain, East Liverpool  
Kelly Kay Culver, West Chester  
Christine Ann Dreher, Strasburg  
Diane Edith Durrell, Pataskala  
Debra Renee Durst, Niles  
Loraine Renee Dusenbury, Sunbury  
Gary Brian Furukawa, Parma  
James Matthew Hanson, North Olmsted  
Todd Eugene Hare, Kenton  
Nancy Marie Hippler, Columbus  
James Conrad Horst, Galloway  
Scott Eric Hoyda, Tiffin  
Sharon Ann Kennedy, Ironton  
Kimberly Ann Leiby, Warren  
Michelle Ann Lessem, Fairlawn  
Samantha Anne McClelland, Wooster  
David Charles McComb, Athens  
Jennifer Ellen Meadows, Middleport  
Michelle Elaine Meek, Toronto  
Joseph Anthony Melucci, Kent  
Cynthia Angela Murmyack, Mantua  
Leslie Ann Patrone, Youngstown  
Timothy James Pelton, Fostoria  
Jacqueline Kelly Rowles, Portsmouth  
Curtis James Rude, Kent  
Holly J. Russell, Columbus  
Mary Elizabeth Sapp, Columbus  
Timothy Patrick Schirmer, Toledo  
Eassa Michael Shaheen, Delaware  
Lori Ann Shockling, Louisville  
Rebecca Lyn Shull, Middletown  
Shelly P. Steffens, Newton Falls  
Deborah C. Stephens, Norton  
Kim Patrice Tyree, South Charleston, WV  
Denise Marie Vasek, Seven Hills  
Lance Bruno Vinci, Yorkville  
Linda Marie Woollett, Strongsville  
Douglas Robert Yanky, Garfield Heights  
Angela Marie Zubek, Strongsville

### **College of Social Work**

Dean: Richard E. Boettcher

### **Bachelor of Science in Social Work**

Angela Marie Corona, Bucyrus  
Katherine Hunter Gorce, Columbus  
Margaret Mary Hampton, Columbus  
Melissa Sue Jarvis, Columbus

Jami Lynn Monnett, Columbus  
Timothy Edward Tawney, Gallipolis  
Sally Ann Vance, Youngstown  
David Aaron Yorka, Westerville

### **College of Veterinary Medicine**

Dean: Ronald A. Wright

### **Doctor of Veterinary Medicine**

Candace Jane Erickson, Shadyside  
B.S. (University of Akron)  
Troy Allan Hexter, Columbus

### **Graduates with Honors**

Criteria for graduating with honors are as follows:

**Summa Cum Laude** designates those graduating in the top 3% of the class.

**Cum Laude** designates those graduating in the top 10% of the class.

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

**With University Honors** designates those graduating with curricular distinction and dedication to high educational goals.

### **Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Anthropology**

Linda Marie Gaertner

### **Summa Cum Laude with Distinction in Animal Science**

Robin Marie Moyer

### **Summa Cum Laude with Distinction in Architecture**

Rupinder S. Singh

### **Summa Cum Laude with Distinction in Art Education**

Natalie Wright

### **Summa Cum Laude with Distinction in French Education**

David E. Aldstadt, Jr.

### **Summa Cum Laude with Distinction in Mechanical Engineering**

Thomas James Royston

### **Summa Cum Laude with Honors in the Liberal Arts**

Kyle Rachel Dreyfuss  
Amy Susan McKee

### **Summa Cum Laude**

Lee-Soo Bailey  
Debra Jane Barnette  
Amy Louise Benson  
Scott John Cain  
James Hull Cordray  
Diane Lynn Evans  
Elizabeth Mary Gardner  
Konstantinos Christos Glavas  
Carolyn Jeanne Glover  
Kathryn Marie Goudelock  
Stephen George Hirt  
Connie Joan Hofmann  
Hing Tsun Hung  
Matthew David Kamer  
Stephen Joseph Kerpasack  
Andrew Phillip Long  
Daniel Thomas McClaren  
Bradley Todd McKamey  
Mark Douglas Niemczyk  
Holly Ann Schindler  
Timothy Patrick Schirmer  
Rhonda Lynn Shumaker  
Linda M. Skinn  
Kwong Wai Yeung

### **Cum Laude with Honors in the Liberal Arts and with Distinction in Economics**

William John Bien

### **Cum Laude with Distinction in Computer and Information Science**

Hin Seng Lee

### **Cum Laude with Distinction in Mechanical Engineering**

Kinda A. Khalaf  
Lieanto Sjafr  
Mohamed Trigui

**Cum Laude with Distinction  
in Psychology**

Melinda Carol Andrews

**Cum Laude with Honors in the  
Liberal Arts**

Julie Lark Chapin  
Wendy Cooke Drake  
Jon Thaddaeus Lamb, Jr.  
Max Minh Tran

**Cum Laude with University Honors**

Kelly Susan Caldas  
Molly Elizabeth Quillin

**With Honors in the Liberal Arts and  
with Distinction in Economics**

Aaron Charles Brinkman

**With Honors in the Liberal Arts and  
with Distinction in Philosophy**

Jennifer Kathleen Jolley

**With Honors in the Liberal Arts and  
with Distinction in Psychology**

Traci Lynn Clayton

**With Distinction in Natural  
Resources Development**

John Herbert Giltner, Jr.

**With Honors in the Liberal Arts**

Elizabeth Lauren Doolittle  
Andrew John McKill  
Kay Lynn Schroeder  
Elizabeth Suzanne Toth

**With University Honors**

Raquel Nicole Blocker  
Linda Rose Castrataro  
Richard Alan Clemens  
Brook Eugene White

**Cum Laude**

Parul Agrawal  
Stephanie Alice Aman  
Patricia Ann Anderson  
Rebecca Howell Artz  
Nicholas Robert Barrett

Kristine Elizabeth Behrend  
Louis William Bell  
Catherine Anne Blosser  
Deborah Jo Boer  
Kelly Ann Carroll  
Philip John Cleary  
Nancy Ann Coburn  
Linda Sue Daily  
Maureen Celeste Damiani  
Amy Sue Dlugokecki  
James Richard Duff  
John Neuman DuPont  
Diane Edith Durrell  
Jennifer Grace Embree  
Roy Eugene Halyama  
Douglas Edward Hartenstein  
Suzanne R. Heistan  
Amy Louise Hohman  
Carol Jendre Ido  
Steven Michael Klotz  
Mary Eichmeier Krueger  
Kimberly Ann Leiby  
Sherry Lynn Levasseur  
Julie Marie Lynch  
Kimberly Jo McCartney  
David Charles McComb  
Ann Paula Negley  
David Gordon Ponta  
Belinda L. Reynolds  
Margaret Jean Robertson  
Mohamed Kamel Salaani  
Stephen Michael Schwartz  
Joy Heidi Sisler  
Mae A. Smitherman  
Todd Matthew Smithers  
Samuel Joseph Stafford  
Aida M. Stanish  
Amy Laura Waldman  
Martina Frieda Whittaker  
Katherine Elizabeth Wood

Page 191 Blank

Page 192 Blank



THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND TWO HUNDRED AND SIXTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 7, 1990

The Board of Trustees met at its regular monthly meeting on Friday, September 7, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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Minutes of the last meeting were approved.

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September 7, 1990 meeting, Board of Trustees

The Chairperson, Mrs. Bowser, called the meeting of the Board of Trustees to order on September 7, 1990, at 1:20 p.m. She requested the Secretary to call the roll.

Present: Shirley D. Bowser, Chairperson, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, Milton A. Wolf, Leslie H. Wexner, Alex Shumate, Theodore S. Celeste, Sophia L. Paige, and David A. Tonnies.

Mrs. Bowser made the following statement:

We would like to take this opportunity to, once again, welcome Dr. Gordon Gee as the eleventh President of The Ohio State University. As I said earlier this summer when we announced that Dr. Gee was coming to Ohio State, he certainly is an inspirational leader with dynamic visions and insight. It can be said that his decided optimism and energy is truly infectious to those who have had the opportunity to come into contact with him. We are both delighted and fortunate to have him here as our President and he can be assured of our support and best wishes from the Board of Trustees, the faculty, the staff, and, most importantly, the student. He will lead Ohio State to meet the challenges of the new decade and beyond. And we are simply delighted to have you with us.

President Gee:

Thank you, very much. I am delighted to be here, and on behalf of my family, I want to thank the Trustees for this decided honor to now be part of this great University. I want my colleagues on the faculty and staff, and certainly our student colleagues, to know that this is the time, the place, and the opportunity that I think is truly unique in higher education. I am blessed to be part of this place at this time. And that has already been borne out. If you didn't have an opportunity to see it, the first day I drove up to work everyone was wearing their nice, bright red T-shirts. From that point on, it has been a wonderfully warm and gracious beginning. And I thank all of you for that.

Today, I want to take up two matters that are on your agenda. First, I have the very pleasant task of announcing some excellent news to our faculty and staff. As the Trustees are aware, for the month of September we have been able to give our faculty and staff a premium holiday. That is the individual share of the benefit premium that is not being deducted for that particular month. Today, you will receive a resolution calling for another premium holiday in December. I wish I could take credit for this after only 6 days on the job, but I, in reality, cannot do so. The credit belongs to the good people of Ohio State whose responsible use of our wonderful benefits program has kept our costs steady in an escalating environment. With the fine tuning of the program over these past months, the reserves from our medical programs will be somewhat in excess of the standard industry requirements. Therefore, the premium payments will not be necessary again in December. Ohio State is proving itself the leader in benefits administration and we can all take pride in the outstanding benefits program available to us.

My second bit of good news today, concerns an extraordinary opportunity for The Ohio State University. I am delighted to report that in a resolution to be introduced later in this meeting, we are asking your support for our negotiations with the Cleveland Clinic Foundation to form a partnership in the Health Sciences. The association of these two great institutions, The Ohio State University and the Cleveland Clinic will strengthen each in teaching, in research, and, clearly, in patient care. By becoming an academic center, Cleveland Clinic will offer Ohio State

President Gee: (contd)

medical students exceptional opportunities for learning. Furthermore, the centralistic relationships between Ohio State's faculty members and a wide variety of disciplines in the outstanding staff at Cleveland Clinic will, I believe, advance the frontiers of medicine. Clearly, this action is consistent with the University's mission as Ohio's land-grant institution, and as one of this nation's leading research universities. We are, indeed, delighted to be working so closely with our colleagues in Cleveland on this most exciting new venture. I hope and expect, Madam Chair, to have as much positive news to bring to you at these meetings in the future. Thank you, very much.

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#### RESEARCH FOUNDATION REPORT

Ms. Casto:

The Research Foundation contracts and grants for the months of June and July 1990 are shown in the Board agenda book. For June there are 203 awards listed, providing an income of \$17.5 million. For July there are 149 awards listed, which provide a gross income of \$15.99 million.

Funding for the fiscal year that ended June 30, 1990, amounted to \$125 million, which is up 8.5 percent from the previous year. The funding was the largest in the history of the Research Foundation. Funding for the new fiscal year has begun on a very positive note with awards for the month of July being 18.9 percent ahead of the month of July last year.

Some highlights of awards are:

\$320,000 from the U.S. Department of Agriculture, Science and Education to the Departments of Architectural Engineering, Agronomy, and Geology and Mineralogy, for archaeological management systems project. This proposed management system evaluation project combines faculty members in three different departments at the University. The project is located in a unique area of Ohio, which has a water table similar to the ground water supporting agriculture throughout the Midwest. It affords an ideal site to study chemical applications to crops. Public perception is that fertilizers and pesticides are contaminating our ground water quality. This interdisciplinary study will take advantage of supercomputer modeling and will test various farming techniques.

\$750,000 from General Electric Company to the Department of Radiology to investigate and develop magnetic resonance spectroscopy and imaging.

\$547,000 from the University of Pennsylvania to the Department of Physics to train students in the field of conducting electronic polymers.

\$398,000 from the National Science Foundation to the Byrd Polar Research Center to conduct a combined airborne radar and air magnetic survey of the Antarctic.

Thank you, Madam Chair. That completes my report.

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## HOSPITALS BOARD COMMITTEE REPORT

Mr. Shumate:

It is my pleasure, Madam Chairperson and Mr. President, to present the summary of the Hospitals Board activities for the month of August. The University Hospitals Board met on Thursday, August 9. The Medical Director, Dr. Mekhjian and Chief of Staff, Dr. Smead, reported on general medical staff issues. One of those issues reviewed by the Board was the credentialing process for medical staff appointments and reappointments. As of July 1, performance-based data will be utilized as an additional component of the reappointment process. This gives the ability to review each physician's performance profile and will help ensure that our patients receive the best possible care.

Since this was the last Hospitals Board meeting for former President Jennings, Board members acknowledged his service with a gift and a resolution and wished him Godspeed in his future endeavors. Dr. Jennings stated that he feels the Hospitals are making good progress and he was pleased to see the high level of cooperation between the medical staff and the Hospitals administrative staff.

The monthly financial report revealed that patient admissions, clinic visits, and emergency visits all exceeded budget during June. However, patient revenue for the month was higher than expected -- almost \$24 million versus a budget of \$22.2 million. The bottom line for the year was a loss of \$1.6 million, as was predicted in February. A large expense item continues to be salaries, because of the need to utilize agency and traveling nurses. The utilization of agency and traveling nurses was a conscious decision by the Board in order to keep beds open, even though the expense of utilizing those nurses is at least 40 percent higher per individual than regular staff nurses. The good news is that we had a successful recruiting season this year, and have been able to reduce nursing turnover to approximately half of last year's rate. And I might add, that this nursing shortage is a national problem that we are attempting to effectively deal with here at Ohio State.

In addition, Dr. Henry Nasrallah, Chairperson of the Department of Psychiatry, discussed in-patient and out-patient services and teaching and research issues. It was pointed out that the neurosciences rank second only to cancer among the Strategic Plan's Centers of Emphasis. Dr. Nasrallah and Mr. Fraley summarized the proposed expansion and the renovation of the west wing of Upham Hall. The goal of the renovation is to provide a setting conducive to the delivery of the highest quality of care in terms of safety, privacy, dignity, therapeutic environment, and the latest and most effective psychiatric techniques and treatment.

The current proposal meets capital expenditure guidelines established by the Board. Board members voted unanimously to authorize completion and submission of the required Certificate of Need; completion of the architect's drawings; and the initiation of a construction contract, subject to established University policy and procedures. The total expenditure of \$14,013,612 was approved by the Board, this is in addition to the original \$1 million for planning. Since the Department of Health will most likely respond to our Certificate of Need in January or February, we anticipate this project will be brought forward to the Hospitals Board and to this Board in March or April for final review and approval.

### **HOSPITALS BOARD COMMITTEE REPORT (contd)**

Mr. Shumate: (contd)

I might add that the Hospitals Board is looking forward to its joint meeting with this Board where we can discuss some of these issues in more detail.

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Mr. Teafor:

I have a resolution that deals with what President Gee told us earlier. I do not think there is any more significant resolution that has been before this Board in the time I have been on it. I think it is a chance for the medical teaching and research at this institution to achieve extraordinary levels.

### **PARTNERSHIP BETWEEN CLEVELAND CLINIC FOUNDATION AND THE OHIO STATE UNIVERSITY**

Resolution No. 91-17

WHEREAS discussions between the Cleveland Clinic Foundation and The Ohio State University regarding a potential partnership between the two organizations in the area of health sciences have generated enthusiastic support; and

WHEREAS as envisioned such a partnership would create a number of superb and creative opportunities for the two institutions to work together in research, teaching, and service that would enhance and enrich each institution as well as possibly expedite the advancement of the frontiers of medicine; and

WHEREAS a Cleveland Clinic/Ohio State University partnership would strengthen both institutions as fully integrated centers for research and medical care, thus making the partnership one of the premier health resources in the world:

NOW THEREFORE

BE IT RESOLVED, That this Board whole heartedly endorses the proposal that the University proceed with discussions with the Cleveland Clinic Foundation to establish a joint task force to investigate potential for a partnership in the health sciences.

Upon motion of Mr. Teafor, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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### **CANCER HOSPITAL COMMITTEE REPORT**

Mr. Barone:

Madam Chairperson, Mr. President, I have attended The Arthur G. James Cancer Hospital on two occasions. When it first opened, I spent most of the afternoon there with the Administrator, Dennis White, and went through the entire Hospital. And I wish to report at this time that on July 9, 1990, the first patients were admitted to The Arthur G. James Cancer Hospital, either through the discharge or subsequent

### CANCER HOSPITAL COMMITTEE REPORT (contd)

Mr. Barone: (contd)

admission of University Hospitals cancer patients or through scheduled admissions. In total that day, seventeen patients were admitted to the Cancer Hospital, which initiated the phase-in operation. Following that date and extending through September 4, 1990, the rest of the Hospital was phased in on schedule.

The phase-in included not only the opening of three patient floors, but also the opening of the operating room, the Bone-Marrow Transplant Unit, Out-patient Chemotherapy Care Unit, and the first floor examination room and treatment center. The phase-in was deliberately extended over two months and limited in operations to help assure a smooth opening. I might add that Dr. Tzagournis, as well as Dr. James and Dennis White advocated a very slow phase-in operation of the Hospital in order to provide the best service.

To date, three of the operating rooms are functional, with the fourth to go on-line September 10. The sixty-day phase-in operation proved to be uneventful and without incident. I viewed each and every room and I strongly advise every member of the Board to visit sometime soon.

The Finance Committee, including representatives from the University, University Hospitals, and the Cancer Hospital, has now met for the third time to review the pertinent financial data. The focus of these meetings is on the projected operational budget and capital needs for the CHRI. Current projections indicate a cash flow deficit for the first year of operations of \$6.4 million. These numbers are again projections only, and are based on a phase-in schedule. It should also be noted that these projections assumed that the exceptions from DRG reimbursement would be granted from the health care financial administration following a successful completion of a medicare survey, which is currently slated for sometime in early October. All information is being received through the consultants in Baltimore, and they have indicated that the DRG exception should be awarded.

Promotional efforts continue through the contracted service of Hameroff, Milenthal, and Spence. To date, Dr. Schuller and others have visited four cities: Cleveland, Cincinnati, Youngstown, and Pittsburgh, to promote the opening of the Cancer Hospital. Eleven other cities are scheduled for these promotional events. The focus of these promotional and other media tours is to promote an awareness and for image building to support fund raising efforts.

We also viewed a thirty minute tape from the American College of Pathology on prostate cancer. Prostate cancer is the number one cancer in the United States, although some people don't realize it. The important thing to note is that prostate cancer, if detected early enough, has a very high cure rate.

We also discussed having Mr. White and Dr. Schuller coming before the Board at sometime to discuss the Cancer Hospital and the function of the Cancer Hospital.

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## INVESTMENTS COMMITTEE REPORT

Mr. Teaford:

The Endowment Portfolio lost \$21 million since our meeting last month; obviously due largely to the 400 point drop in the stock market. While that's dramatic, it is rather typical of the long-term history of our endowment portfolio. It does have down turns, as well as up turns. At the meeting we did discuss improving the flexibility of the endowment -- mechanisms that will allow us to switch from equities to fixed income -- and we will be looking for a way to do that in the coming months.

We also received the Quarterly Cash and Investments Summary which indicated \$667 million in the various funds of the University. This is a little higher than typical because of the recent funding of \$50 million in bonds. We had a report on the Endowment Real Estate by Mr. Nichols. Two highlights of that: the shopping center which we received at a lower price in a gift-type circumstance this spring currently has a return of 8.46 percent; and the Ramada Hotel which, of course, we own the stock on, but we don't own the building itself, the gross income for the first eight months of the year was \$700,000. The net income after debt service is a loss of only \$90,000. Those numbers are on target, if not a little ahead of what was expected in the first couple of years of operation. So, I think those numbers are very encouraging.

(See Appendix XI for complete context of The Ohio State University Endowment Summary, August 17, 1990, page 289.)

We also received a summary of the now completed Campaign. As I think most of you know, we raised \$460.2 million. We were significantly above goal in all of those areas of the Campaign. It is interesting to note that before we started that Campaign, Ohio State was ranked 44th nationally in voluntary support; it now ranks 16th. And we were ranked 25th in corporate support before; we now rank 6th in the nation. Another very important thing to point out is that our faculty and staff made gifts and pledges to this University of \$15.8 million. That is a resounding vote of confidence from our faculty and staff at this University.

When we started the Campaign, all of the various colleges submitted "wish lists." It is interesting to note that we did achieve 42 percent of those wishes, in terms of the kinds of designations of gifts. That is, indeed, well above the normal percentage. And Dean Glower has indicated to me that the next time we do this, we will even have greater sophistication among the faculty and colleges as to how to get the "wish list" in line with what is likely.

Finally, we were told about the costs of the Campaign. Our direct costs were 9 cents on every dollar raised, and an overall direct and indirect -- 11 cents. To put that in perspective, the Chronicle on Higher Education has recently reported that a typical number is 16 cents on the dollar. So, indeed, we got that money for a lot less than is typical.

(See Appendix XII for complete context and charts on the Campaign Summary Report, page 307.)

We are also recommending the following resolution:

## **TREASURER'S BOND**

Resolution No. 91-18

**Synopsis:** The Investments Committee recommended the approval of an amendment to Board of Trustees Resolution No. 82-46 to increase the Treasurer's Bond requirement from \$3,000,000 to \$5,000,000, pursuant to Section 3335.05 of the Ohio Revised Code.

WHEREAS Section 3335.05 of the Ohio Revised Code requires that the Treasurer of The Ohio State University give bond to the State of Ohio in such sum as the Board of Trustees determines; and

WHEREAS such sum required was established by Board of Trustees Resolution No. 82-46 on November 6, 1981, to be \$3,000,000 as the probable amount that realistically will be under the Treasurer's control in one year; and

WHEREAS the size of the University's accounts and investments have increased over time, and the coverage of the Bond has been changed to include the Treasurer's Ohio State University Foundation responsibilities:

NOW THEREFORE

BE IT RESOLVED, That the bond sum required of James Lee Nichols, Treasurer of The Ohio State University, as required by Section 3335.05 of the Ohio Revised Code, be revised to \$5,000,000 by amendment of Board of Trustees Resolution No. 82-46.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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## **ACADEMIC AFFAIRS COMMITTEE REPORT**

Mr. Shumate:

The Academic Affairs Committee received a report this morning from Dr. Anne Pruitt, Director of the Center for Teaching Excellence at The Ohio State University. In addition to her report, she showed a video tape that highlighted the services provided by the Center. The Center's mission is to provide leadership and services in support of professors who teach at Ohio State. The services include providing teacher orientations for new faculty and graduate teaching associates; conducting teaching improvement workshops and consultation services; providing the audio/visual equipment and materials used by the faculty in the classroom; working with faculty on designing and developing graphic, video, audio, and microcomputer-based materials; and administering the instructional enhancement grants program.

Dr. Pruitt pointed out that the Center assists the spoken English program in assessing the language proficiencies of international T.A.'s through mock teaching sessions; leading faculty seminars on teaching for the retention of minority students; working to develop academic uses of video satellite telecommunication services; and coordinating Ohio State's role with seven other leading universities in a three-year national project entitled, "Focus on Teaching." This project funded through Syracuse University is aimed at examining and improving the balance and reward



**ACADEMIC AFFAIRS COMMITTEE REPORT (contd)**

Mr. Shumate: (contd)

structure for faculty involved in teaching. In addition to Ohio State and Syracuse, the other participating universities are the University of California-Berkeley, Carnegie-Mellon, the University of Massachusetts at Amherst, Northwestern University, Stanford University, and Texas A & M.

Dr. Pruitt spelled out five challenges for the Center for Teaching Excellence: 1) assist the Office of Academic Affairs to create a balance between research and teaching; 2) to help determine how to best evaluate teaching; 3) to take increasing responsibility for training teaching assistants; 4) to help faculty to work through the implications of cultural diversity in the classrooms; and 5) to increase the amount of funds available for faculty to conduct research on teaching.

In addition the Committee is recommending:

**NAMING OF STREET**

Resolution No. 91-19

Synopsis: The Academic Affairs Committee recommended the approval of the naming of the street on the north side of the Veterinary Hospital on the Columbus Campus in honor of Vernon L. Tharp.

WHEREAS Vernon L. Tharp, D.V.M., Professor Emeritus, was Associate Dean of The Ohio State University College of Veterinary Medicine (1972-82), Director of the Veterinary Clinics (1947-72), Chairperson of the Department of Veterinary Medicine (1960-70), and Acting Chair of the Department of Veterinary Clinical Sciences (1970-72); and

WHEREAS under Dr. Tharp's leadership as Director of the Veterinary Clinics, the College's Ambulatory Clinic expanded to include two off-campus facilities; and

WHEREAS Dr. Tharp was instrumental in having the Ohio State Racing Commission Laboratory established at the College of Veterinary Medicine; and

WHEREAS Dr. Tharp has served the Veterinary Medical Profession as President of the American Veterinary Medical Association, President of the Ohio Veterinary Medical Association, and Vice President of the World Veterinary Medical Association; and

WHEREAS Dr. Tharp was named "Ohio Veterinarian of the Year," and is an appointed member of the Ohio State Racing Commission; and

WHEREAS due to his dedication and continued service to the veterinary profession and The Ohio State University College of Veterinary Medicine, its dean, faculty and staff wish to name the street north of the Veterinary Hospital in honor of Vernon L. Tharp, D.V.M.; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the street north of the Veterinary Hospital be named "Vernon L. Tharp Street";

NOW THEREFORE

September 7, 1990 meeting, Board of Trustees

**NAMING OF STREET (contd)**

BE IT RESOLVED, That hereafter the street north of the Veterinary Hospital shall bear the name "Vernon L. Tharp Street."

Upon motion of Mr. Shumate, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 91-20

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 6, 1990 meeting of the Board, including the following Appointment of Chairpersons of Departments and Director of Center, Leaves of Absence Without Salary, Leaves of Absence Without Salary--Continuation, Professional Improvement Leaves, Professional Improvement Leave--Cancellation, Professional Improvement Leave--Change in Dates, Promotion/Tenure, Promotion/Tenure--Correction, and Emeritus Titles, as detailed in the University Budget be approved, and the 1990-91 Medical Staff Appointments/Reappointments approved August 9, 1990, by the Hospitals Board be ratified; and the Medical Staff Appointments for The Arthur G. James Cancer Hospital and Research Institute be approved.

Appointment of Chairpersons of Departments and Director of Center

July 1, 1990 through June 30, 1991

Radiology

Charles F. Mueller\*

August 1, 1990 through June 30, 1994

Molecular Genetics

Lee F. Johnson

August 22, 1990 through September 30, 1994

Industrial Design

James C. Kaufman

October 1, 1990 through June 30, 1994

Food Science and Technology

Ken Lee

October 1, 1990 through September 30, 1993

Melton Center for Jewish Studies

Tamar Rudavsky

\* Acting Chair

Leaves of Absence Without Salary

PAMELA S. BRADIGAN, Assistant Professor, Health Sciences Library, effective July 16, 1990, through August 12, 1990, for personal reasons.

### **PERSONNEL ACTIONS (contd)**

#### **Leaves of Absence Without Salary (contd)**

CRYSTAL L. DUNLEVY, Assistant Professor, School of Allied Medical Professions, effective August 30, 1990, through September 9, 1990, for personal reasons.

MALCOLM C. SMITH, Assistant Professor, Department of Electrical Engineering, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to visit the University of Cambridge, England.

ATHANASIOS G. STOURAITIS, Assistant Professor, Department of Electrical Engineering, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to visit the University of Patras, Greece.

PAULA A. CHAPMAN, Instructor, Cooperative Extension Service, effective July 15, 1990, through November 4, 1990, for medical reasons.

#### **Leaves of Absence Without Salary--Continuation**

MICHAEL D. ORLANSKY, Professor, Department of Educational Services and Research, effective Autumn Quarter 1990, for personal reasons.

MORGAN E. SHIPMAN, Professor, College of Law, effective July 1, 1990, through August 15, 1990, for personal reasons.

HAROLD S. HIMMELFARB, Associate Professor, Department of Sociology, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to continue in a research position with the U.S. Department of Education.

#### **Professional Improvement Leaves**

JAMES GROSSIE, Associate Professor, Department of Physiology, effective October 1, 1990, through March 31, 1991.

MARY ANN DANOWITS SAGARIA, Associate Professor, Department of Educational Policy and Leadership, effective Winter Quarter and Spring Quarter 1991.

#### **Professional Improvement Leave--Cancellation**

SCOTT FALKENTHAL, Associate Professor, Department of Molecular Genetics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991.

#### **Professional Improvement Leave--Change in Dates**

KEITH M. KILTY, Professor, College of Social Work, change leave from Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

September 7, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Promotion/Tenure

**COLLEGE OF MEDICINE  
REGULAR CLINICAL FACULTY**

**REAPPOINTMENT**

ASSOCIATE PROFESSOR

ROBERT M. RENNEBOHM, Pediatrics

Approved - 1/15/92

Promotion/Tenure--Correction

**COLLEGE OF ENGINEERING**

PROMOTION TO ASSOCIATE PROFESSOR with TENURE

UMIT S. OZKAN, Chemical Engineering, and tenure date approved 10/1/90; corrected to August 31, 1990.

Emeritus Titles

CLIFFORD V. HEER, Department of Physics, with the title Professor Emeritus, effective July 1, 1990.

JON L. HIGGINS, Department of Educational Theory and Practice, with the title Professor Emeritus, effective September 1, 1990.

SAAD Z. NAGI, Department of Sociology, with the title Professor Emeritus, effective August 1, 1990.

ROBERT M. RYAN, College of Social Work, with the title Professor Emeritus, effective August 1, 1990.

PHILIP D. STEWART, Department of Political Science, with the title Professor Emeritus, effective September 1, 1990.

JOHN E. ARTHUR, Department of Otolaryngology, with the title Clinical Professor Emeritus, effective July 1, 1990.

JANIS M. HUGHES, Cooperative Extension Service, with the title Associate Professor Emeritus, effective August 1, 1990.

ROBERT A. TANQUIST, College of Dentistry (Restorative and Prosthetic Dentistry), with the title Associate Professor Emeritus, effective August 1, 1990.

GEORGE SHERER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective August 1, 1990.

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Ohio State University Hospitals)

**NEW APPOINTMENTS TO MEDICAL STAFF  
1990-91**

LEA AHARONY, M.D., Department of Family Medicine, Limited Staff  
LINDA S. GRAY, M.D., Division of Rheumatology/Immunology, Attending Staff  
JOEL K. GREENSON, M.D., Department of Pathology, Attending Staff  
ARDEN K. HEGTVEDT, D.D.S., Division of Oral & Maxillofacial Surgery, Attending Staff  
VICTOR J. JOCHEM, M.D., Division of Gastroenterology, Limited Staff  
HO M. LEW, M.D., Department of Ophthalmology, Limited Staff  
DEBORAH J. LYNN, M.D., Department of Neurology, Limited Staff  
BRUCE R. PAWEL, M.D., Department of Pathology, Limited Staff  
SCHLOMO SCHNEEBAUM, M.D., Division of Surgical Oncology, Limited Staff  
DAVID R. SMITH, M.D., Department of Ophthalmology, Limited Staff  
GARY A. SMITH, M.D., Department of Pediatrics, Attending Staff  
ROY E. SMITH, M.D., Division of Hematology/Oncology, Attending Staff  
ANITA P. SOMANI, M.D., Department of Obstetrics and Gynecology, Limited Staff  
JOHN P. SOTOS, M.D., Department of Pediatrics, Courtesy Staff  
HRATCH N. SVADJIAN, M.D., Department of Psychiatry, Limited Staff  
CYNTHIA D. TRENTACOSTI, D.D.S., Division of Oral & Maxillofacial Surgery  
HARRISON G. WEED, M.D., Division of General Medicine, Attending Staff

Medical Staff--Reappointments (The Ohio State University Hospitals)

**REAPPOINTMENTS MEDICAL STAFF  
1990-91**

DEPARTMENT OF ANESTHESIOLOGY

ATTENDING STAFF	LIMITED STAFF
Colavincenzo, Paul R.	Highberger, William A.
Halim-Armanios, Mona Y.	
Lingam, Rao P.	

PERSONNEL ACTIONS (contd)

Medical Staff--Reappointments (The Ohio State University Hospitals) (contd)

DEPARTMENT OF ANESTHESIOLOGY (contd)

ATTENDING STAFF (contd)

McDonald, John S.  
Murphy, James L., Jr.  
Rypel, Gregory D.

DEPARTMENT OF EMERGENCY MEDICINE

ATTENDING STAFF

Martin, Daniel R.

DEPARTMENT OF FAMILY MEDICINE

ATTENDING STAFF

Jonas, Arthur P.  
Prescott, David H.

COURTESY STAFF

Burrier, Gail W.  
Leonard, Steven E.

LIMITED STAFF

Lindstrom, Mark A.

DEPARTMENT OF INTERNAL MEDICINE--Division of Bone Marrow Transplantation

ATTENDING STAFF

Kapoor, Neena

DEPARTMENT OF INTERNAL MEDICINE--Division of Cardiology

ATTENDING STAFF

Good, Arnold P.

COURTESY STAFF

Graber, Harry L.  
Kirschner, Stephen D.  
Mumane, Michael R.  
Sheline, Allan

LIMITED STAFF

Al-Awwa, Abdulkader  
Heiselman, Mary A.

**PERSONNEL ACTIONS (contd)**

**Medical Staff--Reappointments** (The Ohio State University Hospitals) (contd)

**DEPARTMENT OF INTERNAL MEDICINE--Division of Dermatology**

**ATTENDING STAFF**

Pellegrini, Arthur E.

**COURTESY STAFF**

Bisaccia, Emil  
Boudoulas, Olga  
Finn, James W.  
Hibler, John P.

**DEPARTMENT OF INTERNAL MEDICINE--Division of Endocrinology and Metabolism**

**COURTESY STAFF**

Larrimer, John N.

**DEPARTMENT OF INTERNAL MEDICINE--Division of Gastroenterology**

**LIMITED STAFF**

Gillespie, James R.  
Kafity, Alfred A.

**DEPARTMENT OF INTERNAL MEDICINE--Division of General Medicine**

**ATTENDING STAFF**

Gaeuman, John V.  
Martin, Daniel R.  
Murphy, Robert J.  
O'Neill, Beverly V.  
Tice, Frank D.

**LIMITED STAFF**

Alfes, John C.  
Applegate, Mary S.  
Blakeley, Dean D.  
Boyer, Stephen H.  
Dernback, Frances D.  
Falkenhain, Michael E.  
Gandhi, Adithya K.  
Goderwis, Douglas A.  
Hoffman, Stephen P.  
Kim, John S.  
Larry, John A.  
Lefkowitz, Jeffrey A.  
Mastronarde, John G.  
Newlin, Phillip L.  
Penza, Sam L.  
Peters, Mark T.  
Putthoff, Dara E.  
Rumancik, Mark S.  
Smyke, Norman A.  
Spech, Richard A.  
Stechschulte, Mark  
Trout, Ann M.

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (The Ohio State University Hospitals) (contd)

**DEPARTMENT OF INTERNAL MEDICINE--Division of Hematology and Oncology**

ATTENDING STAFF	LIMITED
Thornton, Donald E.	Rupert, Robert D.

**DEPARTMENT OF INTERNAL MEDICINE--Division of Infectious Diseases**

HONORARY STAFF

Perkins, Robert L.

**DEPARTMENT OF INTERNAL MEDICINE--Division of Rheumatology/Immunology**

ATTENDING STAFF	COURTESY STAFF
Whisler, Ronald L.	Thomas, Marvin H.

**DEPARTMENT OF INTERNAL MEDICINE--Division of Renal Disease**

COURTESY STAFF

Thome, Lilian T.

**DEPARTMENT OF NEUROLOGY**

LIMITED STAFF

Delphia, Maureen A.

**DEPARTMENT OF OBSTRTRICS AND GYNECOLOGY**

ATTENDING STAFF	COURTESY STAFF
Cordero, Leandro	Haninger, Glenn J.
McDonald, John S.	Krantz, Carl A.
	Price, Thomas, P., Jr.
	Schaeffer, Karl I.
	Vorys, Nichols

**DEPARTMENT OF OPHTHALMOLOGY**

ATTENDING STAFF	LIMITED STAFF
Harnish, Wesley J.	Giesel, John N.
Laxson, L. Carol	Stahl, Brian R.



**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (The Ohio State University Hospitals) (contd)

**DEPARTMENT OF OTOLARYNGOLOGY**

**ATTENDING STAFF**

Welling, D. Bradley

**DEPARTMENT OF PATHOLOGY**

**ATTENDING STAFF**

Boesel, Carl P.  
Keyhani-Rofagha, Sedigheh  
Marsh, William L., Jr.  
Pellegrini, Arthur E.  
Yates, Allan J.

**COURTESY STAFF**

Hamoudi, Ala B.  
Hamoudi, Ayser C.

**DEPARTMENT OF PEDIATRICS**

**ATTENDING STAFF**

Broner, Cynthia W.  
Cordero, Leandro  
Kapoor, Neena  
Kelley, Michael T.  
Kern, Richard A.  
McClead, Richard E.  
Rennebohm, Robert M.  
Romshe, Carolyn A.  
Wheller, John J.  
Wright, Francis S.

**COURTESY STAFF**

Backes, Carl R.  
Bass, Jack C.  
Campanini, Maida P.  
Croft, Ann M.  
Gunyula, Lisa A.  
Richardson, Delphis C.  
Wall, Patrick M.

**LIMITED STAFF**

Thompson, Craig R.

**DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION**

**LIMITED STAFF**

Klejka, James P.

**DEPARTMENT OF PREVENTIVE MEDICINE**

**ATTENDING STAFF**

Gaeuman, John V.

**COURTESY STAFF**

Leonard, Stevens E.

September 7, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (The Ohio State University Hospitals) (contd)

**DEPARTMENT OF PREVENTIVE MEDICINE--Division of Sports Medicine**

**ATTENDING STAFF**

Murphy, Robert J.  
Strauss, Richard H.

**DEPARTMENT OF PSYCHIATRY**

**ATTENDING STAFF**

Dilsaver, Steven C.  
Hamill, John M.  
Hurst, Mark A.  
McCafferty, Mary J.  
Pariser, Stephen F.  
Tamimi, Raed R.

**DEPARTMENT OF PSYCHIATRY--Divison of Child Psychiatry**

**ATTENDING STAFF**

Yaylayan, Shahnour

**DEPARTMENT OF SURGERY--Division of General Surgery**

**LIMITED STAFF**

Davies, Elizabeth A.  
Lee, Lori A.

**DEPARTMENT OF SURGERY--Division of Neurosurgery**

**ATTENDING STAFF**

Goodman, Joseph H.  
Miner, Michael E.  
Rossel, Charles

**COURTESY STAFF**

Kosnik, Edward J.  
Meagher, Michael J.

**LIMITED STAFF**

Finneran, Mark T.

**DEPARTMENT OF SURGERY--Division of Orthopedic Surgery**

**ATTENDING STAFF**

Lubbers, Lawrence M.

**COURTESY STAFF**

Kobus, Raymond J.

September 7, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Reappointments (The Ohio State University Hospitals) (contd)

**DEPARTMENT OF SURGERY--Division of Plastic Surgery**

**ATTENDING STAFF**

Postlewaite, David S.  
Zacher, Judith B.

**DEPARTMENT OF SURGERY--Division of Surgical Oncology**

**LIMITED STAFF**

LaValle, Gregory J.

**DEPARTMENT OF SURGERY--Division of Thoracic and Cardiovascular Surgery**

**ATTENDING STAFF**

Kilman, James W.

**COURTESY STAFF**

Cattaneo, Stephens M.  
Williams, Thomas E.

**DEPARTMENT OF SURGERY--Division of Urology**

**COURTESY STAFF**

Simon, James W.

**DEPARTMENT OF SURGERY--Division of Vascular Surgery**

**COURTESY STAFF**

Evans, William E.  
Vermilion, Blair D.

**COLLEGE OF DENTISTRY--Division of Oral & Maxillofacial Surgery**

**ATTENDING STAFF**

Blair, Allan E.

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)

**DEPARTMENT OF ANESTHESIOLOGY**

Howie, Michael B., M.D., Associate Attending Staff, Department of Anesthesiology

Murphy, James L., JR., M.D., Associate Attending Staff, Department of Anesthesiology

Rypel, Gregory D., M.D., Associate Attending Staff, Department of Anesthesiology

September 7, 1990 meeting, Board of Trustees

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Cardiology**

Caldwell, Patricia B., M.D., Associate Attending Staff, Department of Cardiology

Leier, Carl Victor, M.D., Associate Attending Staff, Division of Cardiology

Magorien, Raymond Daniel, M.D., Associate Attending Staff, Division of Cardiology

Pearson, Anthony, M.D., Associate Attending Staff, Division of Cardiology

Starling, Randall Carson, M.D., Associate Attending Staff, Division of Cardiology

Wooley, Charles Francis, M.D., Associate Attending Staff, Division of Cardiology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Dermatology**

Scarborough, Dwight Allen, M.D., Clinical Attending Staff, Division of Dermatology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Endocrinology**

Cataland, Samuel, M.D., Associate Attending Staff, Division of Endocrinology

Jackson, Rebecca Dorothy, M.D., Associate Attending Staff, Division of Endocrinology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Gastroenterology**

Fromkes, John Joseph, M.D., Associate Attending Staff, Division of Gastroenterology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Hematology/Oncology**

Bouroncle, Bertha A., M.D., Attending Staff, Division of Hematology/Oncology

Rinehart, John Joseph, M.D., Attending Staff, Division of Hematology/Oncology

Thornton, Donald Edward, M.D., Attending Staff, Division of Hematology/Oncology

Triozi, Pierre L., M.D., Attending Staff, Division of Hematology/Oncology

Ungerleider, James S., M.D., Attending Staff, Division of Hematology/Oncology

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Pulmonary**

Davis, William Bruce, M.D., Associate Attending Staff, Division of Pulmonary

Dorinsky, Paul Michael, M.D., Associate Attending Staff, Division of Pulmonary

Kindt, Gary Charles, M.D., Associate Attending, Division of Pulmonary

Pacht, Eric Reed, M.D., Associate Attending Staff, Division of Pulmonary

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

**DEPARTMENT OF INTERNAL MEDICINE -- Division of Pulmonary (contd)**

Weiland, Jeffrey Earl, M.D., Associate Attending Staff, Division of Pulmonary

Wewers, Mark Damian, M.D., Associate Attending Staff, Division of Pulmonary

**DEPARTMENT OF NEUROLOGY**

Drake, Miles E., M.D., Associate Attending Staff, Division of Neurology

**DEPARTMENT OF PATHOLOGY**

Ayers, Leona W., M.D., Associate Attending Staff, Division of Clinical Pathology

Barth, Rolf Frederick, M.D., Associate Attending Staff, Division of Anatomic Pathology

Pellegrini, Arthur Edward, M.D., Associate Attending Staff, Department of Pathology

**DEPARTMENT OF OPHTHALMOLOGY**

Dangel, Matthew Edwin, M.D., Associate Attending Staff, Department of Ophthalmology

Mauger, Thomas F., M.D., Associate Attending Staff, Department of Ophthalmology

Opremcak, Emil M., M.D., Associate Attending Staff, Department of Ophthalmology

**DEPARTMENT OF OTOLARYNGOLOGY**

Welling, D. Bradley, M.D., Associate Attending Staff, Department of Otolaryngology

**DEPARTMENT OF PSYCHIATRY**

Weller, Elizabeth B., M.D., Associate Attending Staff, Department of Psychiatry

**DEPARTMENT OF RADIOLOGY**

Mueller, Charles F., M.D., Associate Attending Staff, Department of Radiology

**DEPARTMENT OF SURGERY**

Barnes, James Erle, M.D., Clinical Attending Staff, Division of Neurosurgery

Caniano, Donna Anne, M.D., Associate Attending Staff, Division of Pediatric Surgery

Riemenschneider, Herbert W., M.D., Associate Attending Staff, Division of Urology

Upon motion of Mr. Shumate, seconded by Mr. Wexner, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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## RESOLUTIONS IN MEMORIAM

Resolution No. 91-21

**Synopsis:** The Academic Affairs Committee recommended the approval of Resolutions in Memoriam for Clyde C. Allison, Delbert M. Byg, Leona J. Calvin, John H. Herrick, Ben E. Jacoby, and Marilyn M. Reed.

**RESOLVED,** That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

### Clyde C. Allison

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 9, 1990, of Clyde C. Allison, Professor Emeritus in the Department of Plant Pathology.

Professor Allison, plant pathologist, was born in Champlin, Minnesota in 1905. He received the Bachelor of Science degree in 1928, Master of Science degree in 1930, and the Doctor of Philosophy degree in 1935, all from the University of Minnesota. Following the baccalaureate degree, Dr. Allison spent a year as a Student Exchange Fellow at the University of Halle, Germany. From 1936 to 1938 he was Associate Plant Pathologist with the USDA at the Tobacco Experiment Station in Greenville, Tennessee.

Joining the Department of Botany as Extension Plant Pathologist in 1938, Dr. Allison developed a comprehensive extension program with meetings, short courses, and field demonstrations throughout the State. In 1946, he attained the rank of professor and was assigned responsibility for graduate education in the area of plant pathology. Under his leadership, an outstanding graduate program in plant pathology was developed. Prior to his retirement as Professor Emeritus in 1972, he advised and supervised the research of 45 Ph.D. and 50 Master of Science students including many international students. In 1964, Dr. Allison received the University's Distinguished Teaching Award.

His goal as he taught graduate classes in plant pathology was to help students think in a logical and critical manner. This was further stressed through weekly formal and informal seminars. Scientific thinking based on an understanding of concepts and principles was emphasized rather than definitions and detailed information. He was an active member of the American Phytopathological Society, serving as Secretary from 1942-1944.

During the several years prior to and following his retirement, Professor Allison maintained a strong interest in international agriculture, contributing his expertise to the improvement of teaching, research, and extension programs in plant pathology. He held a Fulbright Lectureship at the University of Rhodesia in 1960, and accepted an assignment at the University of Sao Paulo, Brazil, from 1964 to 1969 under a Technical Assistance Contract with The Ohio State University. While in Brazil, he encouraged the formation in 1966 of a new Brazilian Society of Phytopathology. Dr. Allison served as a councilor for several years and was elected an honorary member for his assistance in the development of this Society. During brief visits to India between 1960 to 1966 he presented seminars and consulted with plant pathologists at Banaras Hindu University and Punjab Agricultural University.

## RESOLUTIONS IN MEMORIAM (contd)

Clyde C. Allison (contd)

Through a significant contribution by Professor Allison and contributions from his many students and friends, the C.C. Allison Fund in Plant Pathology was established in 1984 by the Board of Trustees of The Ohio State University. Annual income is used each year for the presentation of the C. C. Allison Award to an outstanding undergraduate or graduate student in the Department of Plant Pathology.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Delbert M. "Bud" Byg

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 8, 1990, of Delbert "Bud" Byg, Professor Emeritus in the Department of Agricultural Engineering.

Professor Byg was born July 3, 1921, in Hartford, South Dakota. He graduated from Hartford Public High School as class Salutatorian in 1939. He obtained a B.Sc. Agricultural Engineering from Iowa State in 1947 and a M.Sc. in Agricultural Engineering in 1957 from The Ohio State University.

Professor Byg joined the faculty of the Department of Agricultural Engineering at The Ohio State University in 1947 teaching courses in Dairy Engineering, Farm Machinery, and Farm Electrification. In 1955, he became Farm Electrification Specialist as well as Secretary of the Ohio Farm Electrification Council. In 1958, he became the Agricultural Engineering Advisor for the University's Education and Research Mission to India. As such, he and his family lived and worked in Northwest India for more than six years. He continued to maintain a strong interest in agricultural institutional development in India and was a consultant on programs there in 1972, and again in 1979.

His international interests are reflected in his long association with the American Society of Agricultural Engineers International Relations Committee, having held all of their committee offices, as well as those of the professional development department.

From 1964 until his retirement in 1980, he was an Extension Agricultural Engineer in Farm Power and Machinery and provided leadership for educational and research programs on improved grain harvesting equipment and systems. His leadership in developing and conducting educational programs in Extension netted him more than 17 ASAE Blue Ribbon Awards and numerous citations for excellent service.

Professor Byg will always be remembered, not only for his many achievements in his profession, but for being one of the kindest, most unselfish, and most caring individuals that one would ever want to have known. The smile that was always there will not be forgotten.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family, the University, and his many associates have sustained.

## RESOLUTIONS IN MEMORIAM (contd)

Leona J. Calvin

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 6, 1990, of Leona J. Calvin, Instructor Emeritus in the Cooperative Extension Service.

Leona Calvin was born October 29, 1904 in Radcliff, Ohio. She received her B.S. in Education degree from The Ohio State University in 1938. Graduate work was done at Colorado State and Ohio State University where she received an M.S. degree in 1947. Her educational career began as an elementary teacher in Vinton County in 1922. She later moved to Meigs County where she continued her elementary teaching and assumed the responsibilities as principal. In 1938, she became the Vocational Home Economics teacher in Morgan and Athens counties. She moved to Ford County, Illinois, in 1943, as Home Advisor only to return to Ohio as a faculty member at Ohio University in 1944. In 1951, she joined the faculty at The Ohio State University as a home demonstration agent in Vinton County and continued in this position until her retirement from the Ohio Cooperative Extension Service in 1967.

An active participant and member of the Grange, Eastern Star, Delta Kappa Gamma, and Home Economics Club, Leona Calvin also helped organize and lead 4-H Clubs and rural youth groups.

Leona Calvin's contributions included her dedicated interests to the home economics and 4-H Extension programs in Vinton County for many years. Her continued professional contributions were deeply appreciated.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to friends of Leona Calvin. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees as an expression of the Board's heartfelt sympathy.

John H. Herrick

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 28, 1990 of John H. Herrick, Executive Director Emeritus in the Office of Campus Planning and Space Utilization and Professor Emeritus in the Department of Educational Policy and Leadership.

John H. Herrick was associated with The Ohio State University for more than 60 years as student, faculty member, and administrator, beginning with his entry as a student in 1924. He received his bachelor's degree in history in 1928, master's degree in education in 1936, and the Ph.D. in educational administration in 1944 all from The Ohio State University.

After several years as a teacher and administrator in the Shaker Heights and Cincinnati Public Schools, Dr. Herrick became a University faculty member in 1947. In 1956, he was appointed Executive Director of the newly created Office of Campus Planning and Space Utilization by former President Novice G. Fawcett. Dr. Herrick left that position in 1967, returning to the faculty in Educational Administration until his retirement from the University in 1972.

Following his retirement Dr. Herrick worked part-time for another 17 years during which time he researched and wrote a five volume history of all buildings ever existing on the University main campus, a history of The Oval, a history of Mirror Lake Hollow, and a history of campus planning at the University. Dr. Herrick also located and preserved over 300 historical maps tracing the University campus development. All this work was done as a volunteer without compensation. These valuable research documents are available for historians and others to use in the University Library and in several offices on the campus.



## RESOLUTIONS IN MEMORIAM (contd)

John H. Herrick (contd)

During his tenure as head of Campus Planning, Dr. Herrick directed development of the University campus master plan which was considered an exemplary work and used as a model by many other campuses. He was considered one of the leading authorities in educational facilities planning in the United States.

Throughout his career at the University, Dr. Herrick was associated with Kappa Phi Kappa, an education fraternity, as an active member and advisor. He was also very active in community affairs, serving on many boards and commissions in the City of Columbus.

More recently Dr. Herrick co-chaired the faculty-staff portion of The Ohio State University Campaign. The Board of Trustees in 1989 recognized Dr. Herrick's significant contributions to the University and to his profession by naming a portion of the campus loop road as "John H. Herrick Drive."

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Ben E. Jacoby

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 25, 1990, of Ben E. Jacoby, M.D., Clinical Associate Professor Emeritus in the Department of Obstetrics and Gynecology.

Dr. Jacoby was born in Marion, Ohio and received his undergraduate education at Ohio Wesleyan in Delaware, Ohio, graduating in 1936 with a B.A. He then went to Case Western Reserve University, graduating from the Medical School in 1940. He served his internship at the old White Cross Hospital, now known as Riverside Hospital, from 1940 to 1941, and then did a residency in obstetrics and gynecology from 1941 to 1942.

From 1942 to 1945, Dr. Jacoby served in the military with distinction in the medical corps of the U.S. Navy. He then attended the University of Pittsburgh, receiving obstetrics training as well as gynecologic pathology from 1946 to 1948, when he returned to Columbus, Ohio, to practice. He joined the faculty at The Ohio State University as a Clinical Instructor in 1952.

Dr. Jacoby was a widely respected obstetrician/gynecologist in central Ohio, and was a diligent teacher as well. He was a member of the American College of Obstetricians and Gynecologists and had received his board certification from the American Board of Obstetrics and Gynecology.

Dr. Jacoby will long be remembered for the tireless hours that he spent devoted to the education to students and residents at University Hospitals. He was a marvelous practitioner and we all will miss his devotion. Dr. Jacoby became Clinical Associate Professor Emeritus in 1988.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

## **RESOLUTIONS IN MEMORIAM (contd)**

**Marilyn M. Reed**

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 21, 1990, of Marilyn M. Reed, Instructor Emeritus in the Cooperative Extension Service.

Marilyn Reed was born April 24, 1935, in Juneau County, Wisconsin. She received her B.S. in Home Economics from the University of Wisconsin, Madison, in 1957. She became a Home Demonstration Agent in Langlade County in Antigo, Wisconsin.

In 1959, Marilyn Reed joined The Ohio State University as an Instructor and Assistant Extension Editor, Home Economics. She found time to attend graduate school at The Ohio State University earning an M.S. degree in Adult Education. She continued in the position of Assistant Extension Editor producing and voicing a daily educational program, "Home Time" on WOSU AM radio which focused on home economic topics. She also produced short programs for radio stations throughout the state. Upon her retirement in 1987, she was named Instructor Emeritus.

Marilyn Reed was a member of The Ohio Home Economics Association and Franklin County Home Economics Association, serving as past president of both. She served as Secretary for the American Home Economics Association, Women in Communication. Other memberships included the Quota Club of Columbus, Epsilon Sigma Phi, O.S.U. Faculty Club, Extension Professors Association, University Women's Club, and the Clintonville Women's Club. She served on the Home Economics Committee for the Farm Science Review, almost from its inception and was the adviser for the Spectrum, the Home Economics student newsletter. She attended many Extension conferences throughout her association with the Ohio Cooperative Extension Service.

Her contributions in providing excellent Extension educational programs during her career earned Marilyn Reed the respect and admiration of her co-workers and many thousands of Ohio citizens throughout the length and breath of Franklin County.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to the family of Marilyn Reed. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Upon motion of Mr. Shumate, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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## **STUDENT AFFAIRS COMMITTEE REPORT**

**Ms. Paige:**

This morning we heard an update on Student Life presented by Dean Richard Hollingsworth. In summary, the Office of Student Life is a division of Student Affairs which has restructured and stream-lined its operations to enable staff to gain a higher level of understanding about students and their educational experiences. The department will emphasize the assessment of the quality of student life; advocacy on behalf of students; and in-service programs in educational

### **STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Ms. Paige: (contd)

opportunities which are critical for the student's development in the success at The Ohio State University.

Staff from Student Life and Student Affairs who regularly work with students have identified several general issues which will require the attention of all members of the University community. These issues include:

- 1) The cost of education: including the increasing amounts of debts being carried by students; students needing to work more hours as they assume the increased share of educational expenses; and staff benefits for graduate assistants.
- 2) Safety: including street crime, acquaintance violence, and incidence of hate behavior, and harassment.
- 3) Increased academic competitiveness: the quality of instruction; academic resources; and a high academic advisor/counselor to advisee ratios.
- 4) Mental and physical health issues: including alcohol and other substance abuse; sexually transmitted diseases, particularly herpes and AIDS; stress resulting from academic, financial, family, and social demands; as well as frustration with the system.

There are also many promising trends evident in today's students. Students are more serious about their studies and have high academic goals. They are increasingly involved in the community service and volunteer opportunities and are assuming leadership for peer education areas of substance abuse, AIDS, and human relations. Students are demonstrating an increased concern for the environment and other social and political issues. In the future, we can expect students to seek greater university involvement and accountability with these issues, trends, and related areas.

After Dean Hollingsworth's report we heard reports from the student government leaders:

Mr. John McClintock:

Good morning. I am John McClintock, Treasurer of the Council on Graduate Students. Our President, Benetta Burton, and Vice President, Randy Rush, have their general exams this week and can't make it, so Luke Evans, the former President of CGS last year, and myself will be speaking on their behalf.

The Council of Graduate Students is preparing for the upcoming Orientation Program to welcome the new graduate students to the University. It will be held on September 17, from 8:30 to 11:30 a.m. The program will include addresses by the President of our Council, Benetta Burton, the Associate Dean of the Graduate School, Jean Dickerscheid, and other distinguished speakers. At that time we will hold a "For Your Information Session," conducted by several of our current students. It will give the new students an opportunity to ask questions and receive answers concerning graduate life at the University. The session will end with a library

## STUDENT AFFAIRS COMMITTEE REPORT (contd)

Mr. McClintock: (contd)

workshop and a tour of the various departmental libraries. We believe this orientation program will be both informative and enlightening.

The Council is also hosting a reception and welcome party for the new students. We like to honor their achievements as new graduate students and welcome them into the University. The reception will be held on Thursday, September 20, from 7:00 to 10:30 p.m. There will be refreshments, music, and door prizes. We are also grateful for the support of the Graduate School and the Office of International Students and Scholars, as well as the business community, who donated the door prizes.

We will be preparing a summary of the activities that our various committees have been actively involved in this summer and we'd like to present that to you at the next session of the Board. At this time Luke will tell you some of the current issues that we are dealing with.

Mr. Luke Evans:

One of the current issues that we are working on is our quarter reevaluation. Our Quarter Reevaluation Committee took an informal poll of graduate students this summer and we are receiving back a strong response from that poll. Basically, we asked the graduate students what their experiences have been with previous calendars, what their preference has been, and what they would like to see changed here at Ohio State, if anything. I don't have the statistics with me -- they are still being compiled -- but the last I saw them, over 60 percent of the people were overwhelmingly in favor of some form of early semester system.

Mr. Tonnies:

Is that just for graduate students?

Mr. Evans:

Just graduate students. This is not a scientific poll. You can only generalize to those people who turn the surveys back in, not for all 10,000 graduate students.

Ms. Paige:

What type of return did you have?

Mr. Evans:

We have probably 300 right now. We sent out 1,000. That is not too bad considering that many people are not here right now. The office is still receiving responses. We are hoping to correlate the responses with the preferences to what their previous experiences have been. We suspect that perhaps the people who are in favor of a quarter system have probably not experienced any other system. However, most graduate students have experienced other systems if they are coming from other universities. Most universities are on some form of semester system -- about 80 percent.

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Ms. Paige:

Your proposal would be that the whole University go on the semester system, or are you talking about, specifically, the Graduate School students?

Mr. Evans:

No. I don't think that would be feasible at such a large institution. It is okay for the Law School, which is sort of off by itself, but not for the Graduate School. We are thinking along the lines that the early semester would be more feasible for a school of this size and should be a part of the strategic plan of this University for the next decade.

Ms. Paige:

Have you done any investigation on other institutions that have switched from quarter to semester?

Mr. Evans:

Yes. We received a packet from Michigan State which is switching to early semester in 1992. I just did a literature review -- there is no research as such, what is written is in the form of reports from college and university administrations. Basically, what we can do is read those and see what others' experiences have been. We are looking not only at the academic benefits of being on a semester system, such as doing better work, but also we are looking at the cost implications that may exist for the university. For example, three registration periods are probably cheaper than four and less paperwork. We also want to see if the quarter system brings on a lot of stress. Quarter systems are in place in schools like Stanford and Chicago. Chicago is where it started. But those are smaller institutions and maybe they can arrange their curriculum in such a way that it doesn't have any significance.

President Gee:

Have we taken a serious look at semester versus quarter? Have we come to some conclusion? Is that what you're saying, that we haven't come to some conclusion?

Mr. Evans:

Obviously the University has come to a conclusion, because they have remained with the quarter system.

President Gee:

That doesn't mean that they have come to a conclusion at all, it means that they have come to inertia, perhaps.

Mr. McClintock:

The conclusion reached was that it is agreeable with maybe 50 percent of the population of the University. My own sense is that there is about a 50/50 split across the University.

## STUDENT AFFAIRS COMMITTEE REPORT (contd)

Dr. Herb Asher:

There actually were some surveys done with faculty and students and there was a substantial minority of faculty who opposed any change. The plurality of faculty, I think, did favor a semester system. The students opposed it. I think it was an OSU poll and when the students were asked about this they opposed the change. The most common reason being given in this whole survey was that if you had a bad class, it was over sooner! There really hasn't been a full and thorough discussion of this, and I think the main reason is that it is a very difficult issue given the diversity of the institution.

President Gee:

I guess that is what I am driving at. It strikes me that rather than having one segment of our University family thrashing about over this issue, if we are going to revisit it, maybe we ought to revisit it in a very substantive way for all parties involved. I have been here only four days, but I think that it is an issue that should be revisited. I think what you are suggesting is that we do it in a comprehensive fashion involving all of the various parties. Sophia, it just strikes me that this is an issue of major interest. I know Michigan State is moving to the semester system and that there are several institutions considering moving to quarter systems -- it is not necessarily a one-way flow. Maybe we ought to talk about how we could get a systematic, comprehensive approach with all of the various constituencies involved. We could get that done in some sort of short order so that we don't continually revisit this. We could look at what the strengths of the issues are, what the problems with change are, and what the opportunities are.

In any kind of survey where there is a lack of information, that ambiguity can create difficulties. So there is always going to be a large proportion of people who say "don't change," because they think that it may in some way adversely effect them directly. I suspect that is due to a lack of information and not due to some commitment to either a semester or a quarter system.

Dr. Asher:

Some groups of faculty members have been upset by the quarter system for a long period of time. I think in the last 2 or 3 years they have pushed the issue of greater flexibility in course scheduling, and that has gone through the Office of Academic Affairs. It was typically the case at this University, that an undergraduate course was a 5 credit-hour course, and was taught five days a week. Many faculty felt that that was the most onerous part of the quarter system. Other institutions may have had a quarter system, but they may have had classes Monday, Wednesday, and Friday. But there was this alleged rule that a 5-hour class met five times a week. I think that in the last year and a half there has been greater flexibility for it in scheduling -- which ameliorates some objections. But, again, there has not been a full review. I think people have just tried to adjust to it, without addressing the fundamental issues.

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

President Gee:

My strong inclination would be that we all join together and institute, through our government systems and administrative reviews, a formal review. I think the information we are going to provide will be interesting and helpful, but it ought to be part of a larger mosaic in which there is a determined time in which we can make some decisions. I don't know if you agree, but I think it would be very helpful.

Mr. Evans:

Oh, yes, we agree. We just thought we would start with the graduate students first to see what their preliminary interests might be.

President Gee:

I would urge you to continue with that, but I would like to put that into a more comprehensive mosaic.

Mr. Evans:

We certainly understand and believe that if anything like this is beneficial it has to benefit everyone -- administrators, faculty, and students. Which is tough to do.

President Gee:

Certainly it will not be universally applauded, whatever you do.

Mr. Evans:

Also, we would like to welcome you, President Gee, to the University.

President Gee:

Thank you. I noticed, by the way, that you have a reception on September 20.

Mr. McClintock:

Yes, September 20, from 7:00 to 10:30 p.m., in the Ohio Union. If you are able to come, please do.

President Gee:

I'm particularly intrigued where the invitation said a "good band" would be there, because I love to dance.

Mr. McClintock:

We would be glad to have you.

Ms. Paige:

We will now have a report from the Undergraduate Students.

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Mr. Mike Clark:

Good morning. I just have a few areas of concern that I want to talk about. We are finalizing all of our internal reorganization of the Undergraduate Student Government and are getting ready for the fall and the upcoming year.

We concentrated most of our time and efforts this summer on a few big projects. We are preparing for the Voter Registration Campaign. We feel that a more informed student is going to be a more involved student. That is our major goal for this year. We want to get the student body more involved in what is happening within the University. We feel by starting off with the Voter Registration Campaign for the gubernatorial race, that it might carry over and get students more involved in the democratic process that we have here.

On the September 19, which is our tentative date, we are going to kick-off our voter registration drive. Senator Watts and Representative Mike Stinziano are going to come and help by working a voter registration booth. We will have registration booths set up across the campus, making them more accessible for the students to register to vote.

In addition, we have gone ahead with a joint invitation with the American Association of University Professors to sponsor a debate between Mayor Voinovich and Mr. Celebreeze. We have submitted letters to both sides and they are both reviewing it now. We are waiting to hear back to see if they will be interested. We are trying to come up with a time, and we are tentatively trying to reserve the Mershon Auditorium. We hope to have the discussions center around higher education issues and things of that nature. Again, we feel that a more informed student is going to be a more involved student. So what better way than to have a debate here at the campus, where more students would be able to attend. We also feel this is a very unique invitation because it is a joint invitation of faculty and students. And what better place to talk about higher education issues than at the flagship university of the State of Ohio.

Lastly, I would like to thank Dr. Spillman for giving us a 16 percent increase for our Crime Watch Escort Program. We feel this is going to help us increase the number of people we have providing the safety escorts -- being those extra eyes and ears for the police department. The money will also help us in publicizing the service better. Right now, our safety escort service is publicized by word of mouth and we would like to reach more students. This is the first time that we have received an increase since the program started five years ago. We are very excited about that.

In a nutshell, those were our major accomplishments this summer. We are really looking forward to a very good year.

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## **AGRICULTURAL AFFAIRS COMMITTEE REPORT**

Ms. Casto:

This morning we heard about the 28th Edition of the Ohio State Farm Science Review which will be held September 18, 19, and 20. We are expecting over 10,000 people over the attendance last year, which is 135,000 -- so it is not just a small farm event.

Special events that are planned for the 1990 Review include the Vice President's Recognition Luncheon on September 18. Attending this luncheon will be the family of Dr. James D. Utzinger, in whose memory the 1990 Review is dedicated, and the first five inductees into the Farm Science Review Hall of Fame. On Wednesday, September 19, Clayton Yeutter, U.S. Secretary of Agriculture, will visit the review and give a public presentation.

(See Appendix XIII for the Report: The 1990 Farm Science Review, page 321.)

Also, we heard about the so called, "Killer Bees" -- the Africanized Honey Bees. Dr. James E. Tew, Associate Professor in the Agricultural Technological Institute and Bee Keeping Specialist with the Ohio Cooperative Extension Service, described a unique cooperative program between The Ohio State University and the U.S. Department of Agriculture regarding the Africanized Honey Bee, sometimes referred to as the "killer bee."

Since 1972, The Ohio State University Department of Entomology has played a major role in studying the Africanized Honey Bee. During September 1988, Dr. Tew began serving as the National Program Leader for the Extension Service of the USDA in Washington, D.C. In his USDA responsibilities, Dr. Tew serves as a liaison between individual state cooperative extension services and the Extension Services, USDA. He also represents the Extension Service on the USDA's Interagency Technical Working Group on the Africanized Honey Bee. Dr. Tew's national responsibilities have helped us to maintain The Ohio State University's internationally recognized bee keeping reputation.

(See Appendix XIV for The Africanized Honey Bee and The Ohio State University, page 323.)

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## **FISCAL AFFAIRS COMMITTEE REPORT**

Mr. Teaford:

The Fiscal Affairs Committee is recommending the following resolutions:

### **Waivers of Competitive Bidding Requirements April - June 1990**

#### Background

During the period covered, the Vice President for Business and Administration, at the requests of the departments making the purchases and upon the recommendation of the Purchasing Department, granted 43 waivers of competitive bidding requirements. Annual purchases authorized by these waivers total approximately \$1,724,500.00. The purchases included:

September 7, 1990 meeting, Board of Trustees

**Waivers of Competitive Bidding Requirements  
April - June 1990 (contd)**

Background (contd)

Hospitals - Equipment & Services	\$396,188	(13 waivers)
Hospitals - Professional Medical Services	100,000	(1 waiver)
Hospitals - Construction	134,810	(2 waivers)
Emergency Helicopter Transport Services	200,000	(1 waiver)
Automated Library Services	187,993	(2 waivers)
Research Services for Net Shape Manufacturing	150,000	(1 waiver)
Teaching & Research Equipment & Services	140,029	(8 waivers)
Administrative Support Equipment & Services	131,482	(9 waivers)
Athletics - Computer Equipment	130,716	(1 waiver)
Speakers & Performers	98,699	(3 waivers)
Transportation for Young Scholars Program	27,500	(1 waiver)
Men's Basketball Team European Tour	27,045	(1 waiver)

**WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS  
APRIL - JUNE 1990**

Resolution No. 91-22

Synopsis: The Fiscal Affairs Committee recommended the acceptance of the quarterly report on waivers of competitive bidding requirements.

WHEREAS the Purchasing Policy of The Ohio State University, adopted by the Board of Trustees on September 7, 1984, provides that the President and/or the Vice President for Business and Administration may grant a waiver from competitive bidding in the event of an emergency, when a sufficient economic reason exists, or when the goods or services can be purchased from only a single source, with a report on such waivers to be made quarterly to this Board; and

WHEREAS the Acting Vice President for Business and Administration has submitted a report on waivers of competitive bidding requirements granted for the period of April-June 1990, and the Fiscal Affairs Committee recommends the acceptance of this report:

NOW THEREFORE

BE IT RESOLVED, That the report on waivers of competitive bidding requirements for the period of April-June 1990, is hereby accepted.

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 91-23

Synopsis: The Fiscal Affairs Committee recommended the approval of the research contracts, grants, and gifts and the summaries for June and July 1990.

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, The Ohio State University Development Fund, and The Ohio State University Foundation:

**NOW THEREFORE**

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, The Ohio State University Development Fund, and The Ohio State University Foundation during the months of June and July 1990 be approved.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

**SUMMARY FOR JUNE 1990**

Background

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	203	\$17,503,938.83
Engineering Experiment Station	26	\$ 575,660.00
Total	229	\$18,079,598.83

**The Ohio State University Development Fund**

**Establishment of Named Funds**

The Robert Bartels Fund for College Development (College of Business - enhance its capabilities and prestige)	\$ 200,000.00
The Robert Bartels Fellowship in Marketing Fund (Doctoral fellowships)	\$ 130,000.00
The Robert Bartels Fellowship for Master of Business Administration Fund (Fellowships)	\$ 130,000.00

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JUNE 1990 (contd)**

Background (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Robert Bartels Graduate Fellowship in Business Fund (Fellowships to doctoral students in Marketing, Finance, or Management)	\$	130,000.00
The Robert Bartels Graduate Fellowship in International Business Fund (Fellowships)	\$	130,000.00
The Robert Bartels Scholarship Fund for Study Abroad (Scholarships to undergraduate students, preferably in Business, whose major requires or would signifi- cantly benefit from study abroad)	\$	130,000.00
The Robert Bartels Undergraduate Scholarship Fund (Scholarships - College of Business)	\$	130,000.00
The Iola Keller Brown Scholarship Fund (Scholarships - College of Human Ecology)	\$	20,000.00

Change in Name and Description of Named Fund

From: The Dairy Science Chair in Lactational Physiology and Mammary Health  
To: The Dairy Science Chair Fund in Lactational Physiology and Mammary Health

**SUMMARY FOR JULY 1990**

Background

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	149	\$15,988,134.07
Engineering Experiment Station	37	\$ 1,445,249.00
Total	229	\$17,433,383.07

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR JULY 1990 (contd)**

**Background** (contd)

**The Ohio State University Development Fund**

**Establishment of Named Funds**

The Gustavus and Sidney L. Basch Memorial Fund (Create and maintain a library for Japanese and Russian books and literature)	\$ 1,037,082.99
The Mildred M. Hugger Medical Research Fund (Research - cardiac and vascular diseases and diseases of the eye)	\$ 157,701.00
The Charles E. Thorne Graduate Fellowship Fund (Fellowships - for students conducting thesis research on projects administered by OARDC)	\$ 145,000.00
The Dr. Warren G. Morris Memorial Fund (Support pediatric optometry)	\$ 30,568.40
The Mary E. Alford Cancer Research Endowment Fund (Support cancer research)	\$ 25,000.00
The Lydia D. Bruny Memorial Scholarship Fund (Scholarships - students from Guernsey, Fairfield or Perry Counties in the Colleges of Agriculture or Human Ecology)	\$ 15,000.00
The William "Bill" and Nellie Draut Scholarship Fund (Scholarships - Home Economics Education)	\$ 15,000.00
The Robert Hubbell Magnuson Ophthalmology Education Fund (Support projects and activities)	\$ 15,000.00

**The Ohio State University Foundation**

**Approval of Description and Establishment of Fund**

The Ford Motor Company Chair in Electromechanical Systems Fund	\$ 350,000.00
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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

**Report - June 1990**

**Federal Research Contracts/Grants**

**\$2,797,854.00** - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Manpower for Agricultural Development in Uganda, Office of International Programs in Agriculture (D. O. Hansen and J. M. Erbaugh), 1 October 1990 through 30 September 1991. (Project 764443 - Continuation)

**\$451,684.00** - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Neurobehavioral Deficit and Psychopathology in HIV+ Men, Department of Psychiatry (R. A. Bornstein and H. A. Nasrallah), 1 July 1990 through 30 June 1991. (Project 767581 - Continuation)

**\$417,773.00** - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Investigation of Problem-Solving and Man-Machine Systems, Department of Pathology (J. W. Smith and M. S. Kennedy), Department of Industrial and Systems Engineering (P. J. Smith), and Department of Computer and Information Science (B. Chandrasekaran), 1 July 1990 through 30 June 1991. (Project 766119 - Continuation)

**\$397,852.00** - National Science Foundation, Washington, D.C., Corridor Aerogeophysics of the Southeastern Ross Transect Zone (CASERTZ), Byrd Polar Research Center (D. H. Elliot and D. Blankenship), 15 May 1990 through 30 April 1991. (Project 768224 - New)

**\$261,994.00** - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Lymphocyte Endothelial Interactions in Rejection, Department of Surgery (C. G. Orosz), 1 July 1990 through 30 June 1991. (Project 764493 - Continuation)

**\$261,909.00** - National Science Foundation, Washington, D.C., Boundary Layer Dynamics Over West Antarctica, Byrd Polar Research Center (D. H. Bromwich), 15 May 1990 through 30 April 1991. (Project 768292 - New)

**\$239,040.00** - Department of Agriculture, Science and Education, Washington, D.C., The Organization and Performance of World Food Systems, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (D. R. Henderson), 1 January 1989 through 31 December 1991. (Project 767311 - Continuation)

**\$237,633.00** - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Mitochondria Biogenesis and Reverse Transcriptases, Department of Molecular Genetics (A. M. Lambowitz), 1 September 1990 through 31 August 1991. (Project 765538 - Continuation)

**\$234,685.00** - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Human Leucocyte Fragment Crystallizable Receptor Structure and Function, Department of Internal Medicine (C. L. Anderson), 1 July 1990 through 30 June 1991. (Project 765701 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$207,337.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Cytotoxic Cocarcinogenic and Antileukemic Agents, Department of Chemistry (L. A. Paquette), 1 June 1990 through 31 May 1991. (Project 763284 - Continuation)

\$191,086.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Cognitive Engineering in Aerospace Applications, Department of Industrial and Systems Engineering (D. D. Woods and P. J. Smith), 1 April 1990 through 31 March 1991. (Project 767386 - Continuation)

\$189,630.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Upward Bound Program, Office of Minority Affairs (L. K. Jackson), 1 September 1990 through 31 August 1991. (Project 767700 - Continuation)

\$155,840.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Ehrlichia Acid Mechanism by Macrophage  $Ca^{++}$  Mobilization, Department of Veterinary Pathobiology (Y. Rikihisa), 1 August 1990 through 31 July 1991. (Project 768401 - New)

\$155,372.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Molecular and Functional Analysis of Human Class 1 Heparin-Binding Growth Factor (HBGF), Department of Internal Medicine and Comprehensive Cancer Center (I. M. Chiu), 1 July 1990 through 30 June 1991. (Project 766083 - Continuation)

\$155,280.00 - Department of Health and Human Services, Bureau of Health Professions, Rockville, Maryland, Medical Careers Pathway (MEDPATH), Medicine Administration (S. M. Kantor), 1 September 1990 through 31 August 1991. (Project 768331 - New)

\$147,433.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Metal Ion Catalysis in Group and Proton Transfer, Department of Chemistry (D. L. Leussing), 1 July 1990 through 30 June 1991. (Project 768391 - New)

\$145,286.00 - Department of Health and Human Services, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Neuronal Development, Plasticity, and Regeneration, Department of Anatomy (G. F. Martin, Jr.), 1 July 1990 through 30 June 1991. (Project 767734 - Continuation)

\$145,000.00 - Department of the Interior, Bureau of Mines, Washington, D.C., Mining and Mineral Resources Research Institute -- Annual Allotment, Department of Materials Science and Engineering (G. R. St. Pierre), 1 June 1990 through 31 May 1991. (Project 768296 - New)

\$140,876.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Functional Domains of the HSV-1 65K DNA Binding Protein, Department of Microbiology and Immunology (D. S. Parris), 1 July 1990 through 30 June 1991. (Project 765482 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$134,680.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Continuation of The Ohio State University's Undergraduate Middle East Studies Center, University Center for International Studies (A. M. Payind), Office of International Affairs (C. F. Hermann), and Graduate School Administration (R. A. Koenigsnecht), 15 August 1990 through 14 August 1991. (Project 766980 - Continuation)

\$133,569.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, The Immune Complex-Mediated Glomerulopathies, Department of Internal Medicine (L. A. Hebert), 1 July 1990 through 30 June 1991. (Project 761786 - Continuation)

\$124,188.00 - Department of Agriculture, Science and Education, Washington, D.C., New Uses for Agricultural Products, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (T. L. Sporleder and C. R. Zulauf), 1 July 1989 through 30 June 1991. (Project 767650 - Continuation)

\$122,593.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Pharmacodynamics of Agents for Bladder Cancer Intravesical Therapy, College of Pharmacy (J. L. Au) and Department of Surgery (M. G. Wientjes), 1 June 1990 through 31 May 1991. (Project 767508 - Continuation)

\$117,757.00 - Department of Energy, Argonne, Illinois, The Hydrogen Induced Stress Corrosion Cracking of Nickel Base Alloys in High Temperature Water, Department of Materials Science and Engineering (P. G. Shewmon and S. S. Smialowska), 1 June 1990 through 31 May 1991. (Project 766068 - Continuation)

\$116,827.00 - Department of Health and Human Services, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Developmental Plasticity of Descending Spinal Pathways, Department of Anatomy (G. F. Martin, Jr.), 1 July 1990 through 30 June 1991. (Project 766115 - Continuation)

\$116,635.00 - Environmental Protection Agency, Washington, D.C., Bulky Metabolite Modification of Transcriptionally Active Genes, Department of Physiological Chemistry and Comprehensive Cancer Center (G. E. Milo), 21 May 1990 through 20 May 1992. (Project 768291 - New)

\$104,046.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Preservice Training for Ohio School Psychologists to Provide Related Services Promoting Placement in the Least Restrictive Environment for Students Who Are Severely Handicapped, Education Administration and School of Health, Physical Education, and Recreation (K. D. Arnold), 1 June 1990 through 31 May 1991. (Project 766059 - Continuation)

\$102,827.00 - National Science Foundation, Washington, D.C., Limit and Averaging Theorems in Ergodic Theory, Department of Mathematics (L. Sucheston, J. M. Rosenblatt, and V. Bergelson), 1 December 1990 through 30 November 1991. (Project 766791 - Continuation)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$102,767.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, The Health of Homeless and Poor School-Aged Children, Department of Family and Community Nursing (J. D. Wagner), 5 June 1990 through 4 June 1992. (Project 768333 - New)

\$93,026.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, The Application of Low Temperature Chemistry and Kinetics to Photoaffinity Labeling, Department of Chemistry (M. S. Platz), 1 July 1990 through 30 June 1991. (Project 765496 - Continuation)

\$91,641.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Cell-Mediated Immunity Regulation and Reinfection: Role of Contralymphokine, Oral Biology (J. F. Sheridan), 1 July 1990 through 30 June 1991. (Project 766852 - Continuation)

\$91,613.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Novel Uracils, Pyrimidines, Azoles, and Purines, Department of Chemistry (H. Shechter), 1 June 1990 through 31 May 1991. (Project 762793 - Continuation)

\$87,450.00 - Department of Housing and Urban Development, Washington, D.C., Community Development Work Study Program, Department of City and Regional Planning (D. F. Bertsch), 26 March 1990 through 25 March 1992. (Project 768283 - New)

\$87,322.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Aberrant Papovavirus Replication After Genotoxic Damage, Department of Radiology (R. M. Snapka), 1 June 1990 through 31 May 1991. (Project 766206 - Continuation)

\$85,569.00 - Department of Health and Human Services, National Institute on Aging, Bethesda, Maryland, Age-Related Changes in the Perception of Speech, Division of Speech and Hearing Science (R. A. Fox), 1 July 1990 through 30 June 1991. (Project 767540 - Continuation)

\$84,478.00 - Department of Health and Human Services, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Bethesda, Maryland, Determination of Proteins Associated with Dystrophin, Department of Physiological Chemistry and Department of Neurology (A. M. Burghes), 1 July 1990 through 30 June 1991. (Project 767635 - Continuation)

\$82,923.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Colorant Formulation of Polymeric Prosthetic Materials, Restorative and Prosthetic Dentistry (W. M. Johnston), 1 July 1990 through 30 June 1991. (Project 766900 - Continuation)

\$82,163.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Phase Ib Clinical Trial of Immunotherapy with Interleukin-2 Alone or in Combination with Adoptive Transfer of Cytotoxic Cells, Department of Internal Medicine (J. J. Rinehart and P. L. Triozzi), 29 June 1990 through 31 May 1991. (Project 766420 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

**\$80,261.00** - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, A Study of Ionic Channels in Pituitary Somatotrophs, Department of Pharmacology (J. J. Enyeart), 1 May 1990 through 30 April 1991. (Project 766691 - Continuation)

**\$80,000.00** - National Science Foundation, Washington, D.C., Numerical Cosmology, Department of Astronomy (J. V. Villumsen), 15 May 1990 through 30 April 1992. (Project 768358 - New)

**\$78,400.00** - National Science Foundation, Washington, D.C., Identification of Sequences Necessary for the Regulation and Function of p33 in Carrot, Biotechnology Program and Department of Agronomy (M. L. Tierney), 1 August 1990 through 31 July 1991. (Project 767706 - Continuation)

**\$77,420.00** - National Science Foundation, Washington, D.C., Chemotaxis as a Determinant of Competitive Success in Soil, Rhizosphere, and Symbiotic Infection, Department of Agronomy - OARDC and Department of Agronomy (W. D. Bauer), 1 May 1990 through 30 April 1991. (Project 767326 - Continuation)

**\$75,000.00** - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Unified Head Injury Theory, Department of Mechanical Engineering (R. L. Stalnaker), 1 January 1990 through 31 December 1990. (Project 764510 - Continuation)

**\$75,000.00** - National Science Foundation, Washington, D.C., Ice Sheet Dynamics in Central Greenland, Byrd Polar Research Center (J. Bolzan), 1 April 1990 through 30 September 1991. (Project 767423 - Continuation)

**\$74,658.00** - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Role of Polyamines in Calmodulin and C-Kinase Regulation, Periodontology (J. D. Walters), 1 July 1990 through 30 June 1991. (Project 765508 - Continuation)

**\$74,521.00** - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Doctoral Study in Adapted Physical Education Teacher Training and Research, School of Health, Physical Education, and Recreation (P. Jansma), 1 July 1990 through 30 June 1991. (Project 768318 - New)

**\$73,500.00** - National Science Foundation, Washington, D.C., Molecular Phylogeny and Evolution of Compositae of the Juan Fernandez Islands, Department of Botany (D. J. Crawford and T. F. Stuessy), 1 July 1990 through 30 June 1991. (Project 767622 - Continuation)

**\$69,584.00** - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Serving Persons with Disabilities in Vocational Education: Training the Teacher Trainers, Center on Education and Training for Employment (R. D. Ryan), 1 September 1990 through 30 August 1991. (Project 767903 - Continuation)

**\$69,000.00** - National Science Foundation, Washington, D.C., Tectonomagmatic and Event-Stratigraphic Significance of Lower Paleozoic K-Bentonites in the Iapetus Region of North America and Northwestern Europe, Department of Geology and Mineralogy (S. Bergstrom), 15 June 1990 through 31 May 1992. (Project 768332 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$68,400.00 - National Science Foundation, Washington, D.C., Geometry and Representations of Lie Groups and Algebras, Department of Mathematics (L. Casian), 15 June 1990 through 31 May 1993. (Project 768390 - New)

\$64,987.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Mediastinal Effects on Pulmonary Function, Department of Veterinary Physiology and Pharmacology (L. E. Olson), 1 June 1990 through 31 May 1991. (Project 766765 - Continuation)

\$64,868.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Pharmacodynamics of Agents for Bladder Cancer Intravesical Therapy, College of Pharmacy (J. L. Au), 1 September 1990 through 31 August 1991. (Project 768329 - New)

\$64,803.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Correlation of 3-D Coronary Axial Geometry and Pathology, Biomedical Engineering Center (M. H. Friedman), 1 July 1990 through 30 June 1991. (Project 766943 - Continuation)

\$63,400.00 - National Science Foundation, Washington, D.C., Engineering Research Equipment Grant: A High Power Visible/UV Nd:YAG Laser System, Department of Mechanical Engineering (M. Samimy and Y. G. Guezennec), 1 October 1990 through 30 September 1991. (Project 768361 - New)

\$63,019.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Molecular Studies of *Pseudomonas aeruginosa* Exotoxin A, Department of Microbiology (D. R. Galloway), 1 June 1990 through 31 May 1991. (Project 766775 - Continuation)

\$62,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Linguistics (M. E. Beckman), 1 March 1991 through 29 February 1992. (Project 766861 - Continuation)

\$59,801.00 - National Science Foundation, Washington, D.C., Numerical Solution of Large-Scale Algebraic Riccati Equations, Department of Computer and Information Science (J. D. Gardiner), 1 July 1990 through 30 June 1991. (Project 768393 - New)

\$58,800.00 - National Science Foundation, Washington, D.C., Partial Oxidation of Methane to Methanol and Formaldehyde over Molybdenum-Oxide-Based Catalysts, Department of Chemical Engineering (U. Ozkan), 1 August 1990 through 31 July 1991. (Project 767675 - Continuation)

\$57,795.00 - National Science Foundation, Washington, D.C., Ranking Models with Covariates, Department of Statistics (M. A. Fligner, D. E. Critchlow, and J. Verducci), 1 July 1990 through 30 June 1992. (Project 768322 - New)

\$57,470.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Plasma Chemistry of Vibrationally Nonequilibrium Molecules, Department of Mechanical Engineering (J. W. Rich), 5 June 1990 through 30 September 1990. (Project 768356 - New)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

\$53,975.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Small Instrumentation Grant, Medicine Administration (D. G. Cornwell), 1 August 1990 through 31 July 1991. (Project 768351 - New)

\$50,000.00 - National Science Foundation, Washington, D.C., Multiple Comparisons for Optimization Via Simulation, Department of Industrial and Systems Engineering (B. L. Nelson) and Department of Statistics (J. C. Hsu), 1 July 1990 through 30 June 1991. (Project 768374 - New)

\$49,000.00 - National Science Foundation, Washington, D.C., Predation, Herbivory, and Disturbance: Structuring Forces in the Littoral Zone Community of North Temperate Lakes, Department of Zoology (R. A. Stein), 1 July 1990 through 30 June 1991. (Project 767694 - Continuation)

\$44,485.00 - National Aeronautics and Space Administration, Washington, D.C., Microwave Observations of Polar Ice, Byrd Polar Research Center (K. C. Jezek), 1 January 1990 through 31 December 1990. (Project 768164 - New)

\$40,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Enhancement of Immune Responses to Transmissible Gastroenteritis Virus in Pigs, Food Animal Health Research Program - OARDC (L. J. Saif), 15 May 1990 through 31 May 1992. (Project 768315 - New)

\$39,500.00 - National Science Foundation, Washington, D.C., Topics in the Foundations of Mathematics, Department of Mathematics (H. Friedman), 1 June 1990 through 31 May 1991. (Project 767495 - Continuation)

\$39,125.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Small Instrumentation Program, Research and Graduate Studies Administration (M. E. Sheridan), 1 June 1990 through 31 May 1991. (Project 768297 - New)

\$38,710.00 - National Science Foundation, Washington, D.C., Construction of Calibrated Eustatic Sea Level Curve: Mid-Jurassic Through Mid-Cretaceous, Department of Geology and Mineralogy (D. Sahagian and J. W. Collinson), 1 September 1990 through 31 August 1992. (Project 768339 - New)

\$37,253.00 - National Science Foundation, Washington, D.C., Analysis and Control of Mechanical and Dynamical Systems, Department of Mathematics (A. M. Bloch), 15 June 1990 through 31 May 1992. (Project 768389 - New)

\$35,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Terrestrial Gravity Data Analysis for Interim Gravity Model Improvement, Department of Geodetic Science and Surveying (R. H. Rapp), 1 July 1990 through 30 April 1991. (Project 765353 - Continuation)

\$34,750.00 - National Science Foundation, Washington, D.C., Parallelizing SAC-2, Department of Computer and Information Science (W. Kuechlin), 1 July 1990 through 30 June 1992. (Project 768343 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$31,750.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Mechanisms of Lymphocyte-Mediated Bone Resorption, Department of Veterinary Pathobiology (C. C. Capen and L. K. McCauley), 7 June 1990 through 6 June 1991. (Project 766748 - Continuation)

\$31,071.00 - National Aeronautics and Space Administration, Washington, D.C., The Effect of Stochastic and Non-Stochastic Climate Forcing on the Interpretation of Satellite-Derived Changes in Ice-Sheet Topography, Byrd Polar Research Center (K. C. Jezek), 1 May 1990 through 30 April 1991. (Project 768341 - New)

\$30,000.00 - Department of the Navy, Office of Naval Research, Washington, D.C., Distributed Routing and Scheduling in Adaptive-Time Division Multiple Access Packet Radio Networks, Department of Electrical Engineering (R. L. Hamilton), 15 August 1990 through 14 August 1991. (Project 768335 - New)

\$29,297.00 - National Science Foundation, Washington, D.C., Study of Sediment, Glacier Ice, and Silicate Spherules, Walcott Neve, Antarctica, Byrd Polar Research Center and Department of Geology and Mineralogy (G. Faure), 1 March 1989 through 31 August 1991. (Project 767381 - Continuation)

\$25,000.00 - National Science Foundation, Washington, D.C., Effects of Surface Roughness on Ultrasonic Inspectability, Department of Welding Engineering (L. Adler), 1 June 1990 through 31 May 1992. (Project 768398 - New)

\$24,500.00 - National Science Foundation, Washington, D.C., Development and Applications of Periodic Soliton Theory for Nearly Integrable Partial Differential Equations, Department of Mathematics (G. Forest), 1 December 1990 through 30 November 1991. (Project 766786 - Continuation)

\$23,902.00 - National Science Foundation, Washington, D.C., Distributions of Input-Output Coefficient and Probabilistic Input-Output Models, Department of Geography (R. W. Jackson), 1 July 1990 through 30 June 1991. (Project 767525 - Continuation)

\$21,162.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Short-Term Training for Students in Health Professional Schools, Oral Biology (S. Rosen), 1 June 1990 through 31 May 1991. (Project 764680 - Continuation)

\$20,000.00 - National Science Foundation, Washington, D.C., Engineering Research Equipment Grant: Temperature-Programmed Desorption/Oxidation/Reduction System, Department of Chemical Engineering (U. Ozkan), 1 July 1990 through 30 June 1991. (Project 768293 - New)

\$17,300.00 - Department of Agriculture, Science and Education, Peoria, Illinois, Effect of Management Practices on Quality of Groundwater and Surface Runoff in North Appalachia, Department of Agronomy - OARDC (A. L. Barta and W. A. Dick), Department of Entomology - OARDC (B. R. Stinner and R. B. Hammond), Department of Agronomy (R. Lal), Department of Plant Pathology - OARDC (P. E. Lipps), and Department of Agricultural Engineering (R. K. Wood), 23 April 1990 through 31 December 1992. (Project 768229 - New)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

**\$15,414.00** - National Science Foundation, Washington, D.C., Mesoscale Cyclone Dynamics Around Antarctica, Byrd Polar Research Center (D. H. Bromwich), 1 June 1989 through 31 May 1991. (Project 767340 - Continuation)

**\$13,952.00** - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, Contact Lens Evaluation in Keratoconus, College of Optometry (J. T. Barr), 5 March 1990 through 28 February 1991. (Project 768122 - Continuation)

**\$13,524.00** - National Science Foundation, Washington, D.C., Search for Meteorites in Northern Greenland: A Preliminary Feasibility Study, Byrd Polar Research Center and Department of Geology and Mineralogy (G. Faure), 1 June 1990 through 31 May 1991. (Project 768163 - New)

**\$13,159.00** - Department of Agriculture, Science and Education, Washington, D.C., Ohio Program for National Agricultural Pesticide Impact Assessment Program, Department of Entomology - OARDC and Department of Entomology (A. C. Waldron), 1 June 1990 through 31 May 1991. (Project 768344 - New)

**\$12,978.00** - Department of the Navy, Office of Naval Research, Washington, D.C., Packet Radio Networks, Department of Electrical Engineering (R. L. Hamilton), 1 July 1990 through 15 August 1990. (Project 768313 - New)

**\$12,500.00** - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Interval Inspiratory Muscle Training in Chronic Obstructive Pulmonary Disease (COPD) Patients, Department of Family and Community Nursing (M. G. MacVicar), 1 July 1990 through 30 June 1991. (Project 767685 - Continuation)

**\$11,915.00** - National Science Foundation, Washington, D.C., The Dynamics of Macroalgae in an Arctic Stream Ecosystem, Byrd Polar Research Center (K. C. Jezek and J. A. Hambrook), 15 June 1990 through 31 May 1991. (Project 768225 - New)

**\$10,866.00** - Department of Health and Human Services, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Non-Nitrogen and Nitrogen Containing Dopamine Drugs, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 April 1990 through 31 March 1991. (Project 762967 - Continuation)

**\$9,448.00** - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acquired Immunodeficiency Syndrome Clinical Study Group, Department of Internal Medicine (R. J. Fass), 1 September 1989 through 31 August 1990. (Project 766341 - Continuation)

**\$9,225.00** - Department of the Army, Army Corps of Engineers, Huntsville, Alabama, Prospect Training for United States Army Corps of Engineers, Department of Civil Engineering (J. G. Lyon and C. J. Merry) and Department of Geodetic Science and Surveying (A. Schenk and K. Novak), 17 April 1990 through 31 May 1991. (Project 768274 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$4,900.00 - Department of Energy, Argonne, Illinois, Hydrological and Geochemical Response and Recovery in Disturbed Arctic Ecosystems, Byrd Polar Research Center and Department of Agronomy (K. R. Everett), 1 January 1990 through 31 December 1990. (Project 764231 - Continuation)

\$2,858.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Chemistry of Novel Natural Inhibitors of Carcinogenesis, College of Pharmacy (J. M. Cassady), 1 April 1990 through 31 March 1991. (Project 766665 - Continuation)

**TOTAL - FEDERAL AWARDS** **\$11,254,844.00**

**State of Ohio Research Contracts/Grants**

\$202,198.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Evaluation of Fish Management Techniques, Department of Zoology (B. Vondracek, D. A. Culver, and R. A. Stein) and School of Natural Resources (D. L. Johnson), 1 July 1990 through 30 June 1991. (Project 766202 - Continuation)

\$119,569.00 - State of Ohio, Department of Development, Columbus, Ohio, Ohio State University Institute for Japanese Studies, Department of Political Science (B. M. Richardson), 1 June 1990 through 30 June 1991. (Project 768357 - Continuation)

\$104,678.00 - State of Ohio, Board of Regents, Columbus, Ohio, Center for Labor Research, Research and Graduate Studies Administration (T. L. Sweeney), 1 July 1989 through 30 June 1991. (Project 767988 - Continuation)

\$10,000.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, International Programming, Wexner Center for the Visual Arts (R. Stearns), 1 June 1990 through 31 May 1991. (Project 768302 - New)

\$8,500.00 - State of Ohio, Department of Education, Columbus, Ohio, Building Linkages for At-Risk Youth and Adults in Ohio, Center on Education and Training for Employment (R. D. Ryan), 7 February 1990 through 30 September 1990. (Project 768101 - Continuation)

\$1,220.10 - State of Ohio, Department of Health, Columbus, Ohio, Care of the High Risk Mother and Infant -- OSU High Risk Perinatal Project, Department of Pediatrics (L. Cordero), 1 October 1989 through 30 September 1990. (Project 765042 - Continuation)

\$10.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Urban Amenities: Quality of Life -- Technical Assistance, Continuing Education Administration (J. L. Kramer), 17 April 1990 through 17 April 1990. (Project 768249 - Continuation)

**TOTAL - STATE OF OHIO AWARDS** **\$ 446,175.10**

September 7, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Industrial Research Contracts/Grants

\$750,000.00 - General Electric Company, Milwaukee, Wisconsin, Magnetic Resonance Spectroscopy and Imaging, Department of Radiology (P. M. Robitaille, P. Schmalbrock, D. W. Chakeres, and J. Beltran), 1 May 1990 through 30 April 1993. (Project 768307 - New)

\$368,346.00 - Pfizer, Inc., Groton, Connecticut, Clinical Study of CP-88,059-1, Department of Pharmacology (N. Gerber), 1 May 1990 through 30 April 1991. (Project 768268 - New)

\$263,106.00 - MTS Systems Corporation, Minneapolis, Minnesota, Sensor System for Adaptive Welding Control, Department of Welding Engineering (R. W. Richardson), 1 January 1990 through 31 January 1992. (Project 768100 - New)

\$216,953.00 - Pfizer, Inc., Groton, Connecticut, Clinical Study of CP-86,325-2-02, Department of Pharmacology (N. Gerber), 1 May 1990 through 30 April 1991. (Project 768266 - New)

\$165,535.00 - Pfizer, Inc., Groton, Connecticut, Single Dose Study of CP-86,325-2 in Normal, Healthy Male Volunteers, Department of Pharmacology (N. Gerber), 1 May 1990 through 30 April 1991. (Project 768385 - New)

\$152,912.00 - Stride Rite Corporation, Cambridge, Massachusetts, Evaluation of the Pressure Distribution During the Stance Phase of Walking for Children Between the Ages 1-7, Department of Surgery (S. R. Simon), 1 May 1990 through 31 August 1991. (Project 768245 - New)

\$112,662.00 - Pfizer, Inc., Groton, Connecticut, A Phase I Study in Normal Male Volunteers to Assess the Safety, Tolerability, and Pharmacokinetics of CP-72,133-2, Department of Pharmacology (N. Gerber), 1 June 1990 through 30 June 1991. (Project 768346 - New)

\$106,483.00 - Pfizer, Inc., Groton, Connecticut, Phase I Study of the Effect of Concomitant Antacid Administration on the Absorption of Amlodipine, Department of Pharmacology (N. Gerber), 1 May 1990 through 30 April 1991. (Project 768386 - New)

\$96,087.00 - Pfizer, Inc., Groton, Connecticut, Study No. 120-003-501, Department of Pharmacology (N. Gerber), 10 April 1989 through 31 December 1990. (Project 767511 - Continuation)

\$83,688.00 - Pfizer, Inc., Groton, Connecticut, Study No. 064-017-501, Department of Pharmacology (N. Gerber), 1 May 1989 through 31 December 1990. (Project 767512 - Continuation)

\$56,000.00 - International Business Machines Corporation, Yorktown Heights, New York, Development of Phenomenological Relativistic Approach to Nuclear Physics, Department of Physics (B. C. Clark and R. J. Perry), 1 October 1990 through 30 September 1991. (Project 765137 - Continuation)

\$53,613.00 - The Procter and Gamble Company, Cincinnati, Ohio, A Multicenter Trial to Evaluate the Safety and Effectiveness of Peridex Dosed B.I.D. for Preventing or Delaying the Occurrence of Lesions Due to Oral Candidiasis in HIV-Positive Individuals, Department of Internal Medicine (M. F. Para), 1 July 1990 through 30 June 1991. (Project 768383 - New)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$42,311.00 - Smith, Kline, and French Laboratories, King of Prussia, Pennsylvania, A Double-Blind, Positive-Controlled Crossover Assessment of Renal Responses to Intravenous Infusion of Corlopam Compared to Sodium Nitroprusside at Doses That Increase Cardiac Output in Patients with Congestive Heart Failure, Department of Internal Medicine (R. J. Cody), 1 July 1990 through 30 June 1991. (Project 768384 - New)

\$35,000.00 - Mobil Research and Development Corporation, Paulsboro, New Jersey, In Situ Zeolite Crystallization and Spectroscopic Characterization, Department of Chemistry (P. K. Dutta), 1 June 1990 through 31 May 1991. (Project 766931 - Continuation)

\$30,000.00 - Fort Fibres Optiques, Dourdan, France, Glassy Carbon Materials: Their Synthesis and Investigation of Their Application for Coating of Optical Fiber, Department of Chemistry (M. R. Callstrom), 1 July 1990 through 30 June 1991. (Project 768355 - New)

\$29,000.00 - Various Milling Companies in Ohio, Soft Wheat Milling Research and Evaluation, Department of Agronomy - OARDC (A. L. Barta), 1 June 1989 through 30 June 1990. (Project 767462 - Continuation)

\$28,121.00 - Pfizer, Inc., Groton, Connecticut, Open Label Crossover Study of the Uricosuric Activity of Single Doses of Tenidap Sodium (CP-66,248-2) Compared to Probenecid, Department of Pharmacology (N. Gerber), 1 October 1989 through 31 December 1990. (Project 768173 - Continuation)

\$26,643.50 - Pfizer, Inc., Groton, Connecticut, Phase I Study of the Effect of Concomitant Rifampin Therapy on the Disposition of Fluconazole, Department of Pharmacology (N. Gerber), 1 January 1990 through 30 June 1990. (Project 765696 - Continuation)

\$25,000.00 - Unocal, Brea, California; Amoco Production Company, Houston, Texas; Arco Oil and Gas Company, Plano, Texas; Exxon Company International, Houston, Texas; and Texaco E & P Technology Division, Houston, Texas; Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 September 1990 through 31 August 1991. (Project 766219 - Continuation)

\$20,000.00 - Fidia, Abano Terme, Italy, GM1 as Potential Therapy for Neonatal Brain Damage, Department of Psychiatry and Department of Pharmacology (M. H. Neff) and Department of Pharmacology (N. H. Neff), 1 April 1990 through 31 March 1991. (Project 767663 - Continuation)

\$17,250.00 - Procter and Gamble Company, Cincinnati, Ohio, Porcine Model of Infectious Gastritis: Pathogenesis Immune Response and Therapeutic Intervention, Department of Veterinary Pathobiology (G. S. Krakowka), 1 June 1990 through 31 August 1991. (Project 768298 - New)

\$13,598.40 - Columbia Research Laboratories, New York, New York, Double-Blind Evaluation of a Vaginal Bioadhesive Gel (REPLENS<sup>R</sup>) in Postmenopausal Women: Effect on pH and Colonization with Enteric Gram Negative Bacteria and Enterococci, Department of Internal Medicine (C. M. Kunin), 15 May 1990 through 14 May 1991. (Project 768256 - New)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Industrial Research Contracts/Grants (contd)**

\$12,298.00 - Dynamic Analysis and Testing Associates, Carlsbad, California, Cross Section Reduction of Dish Antennas, ElectroScience Laboratory, Department of Electrical Engineering (B. A. Munk and R. C. Rudduck), 13 April 1990 through 13 September 1990. (Project 768304 - New)

\$10,950.00 - Ortho Biotech Division, Cincinnati, Ohio, HIV/AIDS: Hematologic Problems and Management -- Computer-Based Educational Software for Physicians, Department of Family Medicine (L. L. Gabel), 15 January 1990 through 14 January 1991. (Project 768347 - New)

\$6,000.00 - Upjohn Company, Kalamazoo, Michigan, Prophylaxis for Postoperative Infections in Gastric and Biliary Surgery -- Single Dose Cefmetazole Compared to Cefotetan, Department of Internal Medicine (J. F. Plouffe), 1 April 1990 through 30 April 1991. (Project 768246 - New)

\$4,333.33 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, Evaluation of BW tPA in the Initial Lysis and Maintenance of Patency of Coronary Arteries in Patients with Acute Myocardial Infarction, Department of Internal Medicine (R. D. Magorien), 1 July 1988 through 30 June 1990. (Project 766466 - Continuation)

\$4,050.00 - Applied R & D, Olmsted Falls, Ohio, Vertical Multi-Junction Photovoltaic Cell, Department of Electrical Engineering (G. J. Valco), 1 July 1990 through 30 September 1990. (Project 767802 - Continuation)

\$4,000.00 - Medical Service Corporation International, Arlington, Virginia, Schistosomiasis Research Project -- Young Scientist Award, College of Pharmacy (S. G. Frank), 1 June 1990 through 30 September 1990. (Project 768369 - New)

\$3,000.00 - Stuart Pharmaceuticals, Wilmington, Delaware, A Multicenter Comparison of Zoladex Depot and Surgical Castration in Metastatic Prostate Carcinoma, Department of Surgery (J. R. Drago), 1 September 1985 through 30 June 1990. (Project 765067 - Continuation)

\$1,910.00 - Pfizer, Inc., Groton, Connecticut, Study No. 124-002-501, Department of Pharmacology (N. Gerber), 17 April 1989 through 16 April 1990. (Project 767513 - Continuation)

\$512.00 - Pfizer, Inc., Groton, Connecticut, Study No. 110-003-501, Department of Pharmacology (N. Gerber), 20 April 1989 through 19 April 1990. (Project 767514 - Continuation)

**TOTAL - INDUSTRIAL AWARDS** **\$ 2,739,362.23**

#### **Other Non-Federal Research Contracts/Grants**

\$546,955.00 - University of Pennsylvania, Philadelphia, Pennsylvania, Conducting Electronic Polymers by Non-Redox Processes: Synthesis, Physical Studies, and Application, Department of Physics (A. J. Epstein), 1 November 1989 through 30 September 1990. (Project 768321 - New)

\$363,265.00 - Midwest Universities Consortium for International Activities, Inc., Columbus, Ohio, OTO Office Support Project, Office of International Affairs (D. G. McCloud), 1 July 1990 through 30 June 1991. (Project 767598 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$345,591.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, Ohio, Early Childhood Classes, Nisonger Center (V. L. Reynolds and S. R. Schroeder), 1 October 1990 through 30 September 1991. (Project 768359 - Continuation)

\$182,490.00 - Ohio State Anesthesia Research Foundation, Columbus, Ohio, Support for Animal and Bench Research Studies in the Department of Anesthesiology, Department of Anesthesiology (J. S. McDonald), 1 July 1989 through 31 December 1990. (Project 768373 - New)

\$122,401.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, Ohio, Exemplary Dental Services for the Handicapped, Nisonger Center (E. S. Sterling), 1 July 1990 through 30 June 1991. (Project 767539 - Continuation)

\$107,000.00 - University of Chicago, Argonne, Illinois, Optical Readout System for the ZEUS Barrel Calorimeter, Department of Physics (T. Y. Ling and T. A. Romanowski), 1 April 1990 through 31 January 1991. (Project 767107 - Continuation)

\$100,000.00 - Gas Research Institute, Chicago, Illinois, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 January 1990 through 31 December 1991. (Project 766219 - Continuation)

\$65,000.00 - American Cancer Society, Atlanta, Georgia, Institutional Research Grant, Comprehensive Cancer Center (D. S. Yohn), 1 July 1990 through 30 June 1991. (Project 768363 - Continuation)

\$60,000.00 - National Geographic Society, Washington, D.C., A Cooperative Paleoclimatic Study of the Guliya Ice Cap, China: Relationship to Global Climatic Variability, Byrd Polar Research Center (L. G. Thompson and E. M. Thompson), 1 June 1990 through 31 May 1991. (Project 768300 - New)

\$55,000.00 - Council for Tobacco Research - U.S.A., Inc., New York, New York, Neutrophil Stimulation: Biochemical and Cell Biological Studies, Department of Anatomy (J. M. Robinson), 1 July 1990 through 30 June 1991. (Project 766941 - Continuation)

\$49,804.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, English as a Second Language Program (T. T. Diemer), 16 June 1990 through 15 June 1991. (Project 764972 - Continuation)

\$48,584.00 - Purdue University, West Lafayette, Indiana, Model of X-Linked Severe Combined Immunodeficiency, Department of Veterinary Pathobiology (G. S. Krakowka), 1 April 1990 through 31 March 1991. (Project 768334 - New)

\$48,292.50 - Erna and Victor Hasselblad Foundation, Goteborg, Sweden, Soil Ecological Responses to Rising Atmospheric Carbon Dioxide, School of Natural Resources (P. Curtis), 1 June 1990 through 31 May 1995. (Project 768282 - New)

\$40,000.00 - American Cancer Society, New York, New York, Biochemical Pharmacology of New Aromatase Inhibitors for the Treatment of Estrogen Dependent Cancers, College of Pharmacy (R. W. Brueggemeier), 1 July 1990 through 30 June 1991. (Project 768399 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$38,035.00 - Augustana College, Rock Island, Illinois, Vertebrate Paleontology and Sedimentology of the Cynognathus Zone, Byrd Polar Research Center and Department of Geology and Mineralogy (J. W. Collinson), 1 July 1990 through 30 June 1991. (Project 768299 - New)

\$37,000.00 - American Cancer Society, Atlanta, Georgia, Multidrug Resistance Gene Amplification in Methotrexate Resistance, Department of Radiology (R. M. Snapka), 1 July 1990 through 30 June 1991. (Project 765521 - Continuation)

\$35,000.00 - American Lung Association, New York, New York, Oxidant Injury in the Adult Respiratory Distress Syndrome (ARDS), Department of Internal Medicine (W. B. Davis), 1 July 1990 through 30 June 1991. (Project 765375 - Continuation)

\$33,600.00 - Fourteen Members of the National Consortium of State Career Guidance Supervisors, National Consortium of State Career Guidance Supervisors, Center on Education and Training for Employment (R. D. Ryan), 1 July 1989 through 30 June 1990. (Project 767680 - Continuation)

\$32,000.00 - Parker B. Francis Foundation, Hanover, New Hampshire, Parker B. Francis Fellowship in Pulmonary Research, Department of Internal Medicine (J. E. Gadek and J. N. Allen), 1 July 1990 through 30 June 1991. (Project 767612 - Continuation)

\$30,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Developmental Regulation of a Glucocorticoid-Inducible Gene, Biotechnology Program and College of Pharmacy (A. P. Young), 1 July 1990 through 30 June 1991. (Project 767968 - Continuation)

\$27,000.00 - Partners for International Education and Training, Washington, D.C., Vocational-Technical Training -- Dominican Republic, Center on Education and Training for Employment (R. D. Ryan), 15 June 1990 through 31 August 1990. (Project 768372 - New)

\$25,000.00 - Alfred P. Sloan Foundation, New York, New York, Sloan Nomination, Department of Mathematics (L. Casian), 16 September 1990 through 15 September 1992. (Project 768368 - New)

\$25,000.00 - Alfred P. Sloan Foundation, New York, New York, Sloan Nomination, Department of Mathematics (A. Silverberg), 16 September 1990 through 15 September 1992. (Project 768367 - New)

\$25,000.00 - Muscular Dystrophy Association, New York, New York, Humoral Mechanisms in the Pathogenesis of Dermatomyositis, Department of Neurology (J. T. Kissel, K. W. Rammohan, and D. J. Lynn), 1 July 1990 through 30 June 1991. (Project 768382 - New)

\$25,000.00 - The William and Flora Hewlett Foundation, Menlo Park, California, Visiting Professor in Dispute Resolution, College of Law (N. Rogers) and Merston Center for Education (T. W. Milburn), 1 July 1990 through 30 June 1991. (Project 768310 - New)

\$24,000.00 - Twelve Members of the National Alliance of Community and Technical Colleges, National Alliance of Community and Technical Colleges, Center on Education and Training for Employment (R. D. Ryan), 1 July 1989 through 30 June 1990. (Project 767681 - Continuation)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Isolated Myocytes from Spontaneously Failing Rat Hearts, Department of Physiological Chemistry (R. A. Altschuld), 1 July 1990 through 30 June 1991. (Project 768327 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Autonomic Control of Ventricular-Vascular Coupling in Congestive Heart Failure, Department of Internal Medicine (P. F. Binkley and G. M. Eaton), 1 July 1990 through 30 June 1991. (Project 768377 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Mechanisms of Osmosensitivity in Hypothalamic Neurons, Department of Physiology (J. A. Boulant), 1 July 1990 through 30 June 1991. (Project 768370 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Mechanisms of Ileal Injury After Phorbol Myristate Acetate-Induced Acute Lung Injury, Department of Internal Medicine (P. M. Dorinsky), 1 July 1990 through 30 June 1991. (Project 768336 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Regulation of Heart Metabolism by Free Magnesium, Department of Physiological Chemistry (D. Jung), 1 July 1990 through 30 June 1991. (Project 768365 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Ancillary Effects of Acute Propranolol Exposure, College of Pharmacy (J. J. Lima), 1 July 1990 through 30 June 1991. (Project 768326 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Spectral Analysis of the Intracardiac Electrogram in a Post Infarction Arrhythmia Model, Department of Internal Medicine (S. D. Nelson), 1 July 1990 through 30 June 1991. (Project 768324 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, The In Vivo Mechanism of Ventricular Arrhythmias in Tricyclic Antidepressant Poisoning, Department of Internal Medicine (S. D. Nelson), 1 July 1990 through 30 June 1991. (Project 768350 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Endothelial Cell Injury Through Oxidant Stress: A Predisposing Factor in Atherosclerosis, Department of Physiological Chemistry (R. Panganamala), 1 July 1990 through 30 June 1991. (Project 768379 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Enterohepatic Circulation of Cardiovascular Drugs Via Artificial Gall Bladder, College of Pharmacy (R. H. Reuning), 1 July 1990 through 30 June 1991. (Project 768328 - New)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, The Influence of Fluid-Imposed Shear Stress on the Genetic Expression of Human Aortic Endothelial Cell Growth Factors, Department of Surgery (J. G. Wright), 1 July 1990 through 30 June 1991. (Project 768320 - New)

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Other Non-Federal Research Contracts/Grants (contd)

\$20,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Z-Line Ultrastructure in Isolated Cardiac Myocyte and Single Muscle Fiber Under Passive and Active Tension, Department of Veterinary Anatomy and Cellular Biology (M. Yamaguchi), 1 July 1990 through 30 June 1991. (Project 768338 - New)

\$20,000.00 - Maharishi Ayurveda Foundation, Lancaster, Massachusetts, Research on Natural Products and the Study of Effects of Sound and Light, Department of Pathology (H. M. Sharma), 15 June 1990 through 14 June 1991. (Project 768362 - New)

\$19,999.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Effects of Carcine and Histamine on Myocardial Function, Department of Surgery (L. J. Flancbaum), 1 July 1990 through 30 June 1991. (Project 768319 - New)

\$19,972.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Autonomic Control of Ventricular-Vascular Coupling in Congestive Heart Failure, Department of Internal Medicine (P. F. Binkley), 1 July 1990 through 30 June 1991. (Project 768323 - New)

\$19,935.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Influence of Loading Conditions and Left Ventricular Diastolic Function on Pulmonary Venous Flow in Man, Department of Internal Medicine (A. C. Pearson), 1 July 1990 through 30 June 1991. (Project 768325 - New)

\$19,927.00 - Battelle Memorial Institute, Richland, Washington, A Proposal to Develop Oxidation-Resistant Niobium Alloys and Protective Coatings, Department of Materials Science and Engineering (R. A. Rapp), 30 June 1990 through 30 September 1990. (Project 767357 - Continuation)

\$19,864.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Further Studies on the Mechanism of Thrombosis Associated with Lupus Anticoagulants, Department of Pathology (J. T. Brandt), 1 July 1990 through 30 June 1991. (Project 768349 - New)

\$19,603.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Transmural Magnetic Resonance Spectroscopy Studies of Regional Myocardial Ischemia, Department of Radiology (P. M. Robitaille), 1 July 1990 through 30 June 1991. (Project 768306 - New)

\$19,430.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Myosin Isozyme Modifications in Heart Failure, Department of Physiological Chemistry (A. J. Merola), 1 July 1990 through 30 June 1991. (Project 768394 - New)

\$19,000.00 - American Lung Association of Ohio, Columbus, Ohio, American Lung Association Research Training Fellowship, Department of Internal Medicine (P. M. Dorinsky and R. C. St. John), 1 July 1990 through 30 June 1991. (Project 767626 - Continuation)

\$18,135.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Antihypertensive Therapy in Experimental Stroke, Department of Neurology (A. P. Slivka), 1 July 1990 through 30 June 1991. (Project 768371 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$17,045.00 - American Lung Association of Ohio, Columbus, Ohio, American Lung Association Research Training Fellowship, Department of Internal Medicine (W. B. Davis and J. B. Fagan), 1 July 1990 through 30 June 1991. (Project 767600 - Continuation)

\$15,000.00 - University of California, Livermore, California, A Study for a Deployable Truss Structure, Department of Electrical Engineering (U. Ozguner), 2 April 1990 through 30 December 1990. (Project 767615 - Continuation)

\$12,100.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Treatment of Primary Breast Cancer, Department of Surgery (W. B. Farrar), 1 February 1990 through 31 January 1991. (Project 768345 - Continuation)

\$11,700.00 - Michigan State University, East Lansing, Michigan, Advancement of Yellow Perch Aquaculture, School of Natural Resources (C. F. Cole) and Department of Zoology (D. A. Culver), 1 June 1990 through 31 May 1991. (Project 768375 - New)

\$11,000.00 - Government of the Virgin Islands of the United States, St. Thomas, Virgin Islands, Review and Assessment of Vocational-Technical Programs and Assistance in Development of Curriculum Guides for Marine Technology and Distributive Education, Center on Education and Training for Employment (R. D. Ryan), 21 May 1990 through 30 November 1990. (Project 768314 - New)

\$10,846.00 - American Institute for Cancer Research, Washington, D.C., Effects of Copper Intake on DMH-Induced Carcinogenesis, Department of Human Nutrition and Food Management (R. A. DiSilvestro), 1 May 1990 through 30 April 1991. (Project 768305 - New)

\$10,790.00 - Ohio River Basin Consortium, Columbus, Ohio, Ohio River Basin Consortium Agreement, School of Natural Resources (M. K. Wali), 1 July 1990 through 30 June 1991. (Project 765812 - Continuation)

\$6,580.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 September 1989 through 28 February 1990. (Project 765208 - Continuation)

\$5,352.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, SWOG Study 8412, Department of Pathology (R. O'Toole), 1 December 1989 through 31 December 1990. (Project 765202 - Continuation)

\$5,000.00 - Illinois State Board of Education, Springfield, Illinois, Overcoming Barriers to Entrepreneurship, Center on Education and Training for Employment (R. D. Ryan), 1 April 1990 through 30 June 1990. (Project 768360 - New)

\$5,000.00 - Michigan State University, East Lansing, Michigan, North Central Regional Aquaculture Center (NCRAC) Extension Program, Center for Lake Erie Area Research (J. M. Reutter) and Cooperative Extension Field Operations (F. L. Snyder and F. R. Lichtkoppler), 17 March 1990 through 30 April 1991. (Project 768279 - New)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$5,000.00 - The University of Utah, Salt Lake City, Utah, Immuno-suppressive Therapy for Biopsy-Proven Myocarditis, Department of Internal Medicine (R. C. Starling), 1 June 1990 through 1 March 1991. (Project 768348 - Continuation)

\$4,350.00 - Ohio Corn Marketing Program Board, Marion, Ohio, Evaluation of Several Commercially Available Compounds as Feed Preservative for Swine, Agricultural Technical Institute - Administrative Support (S. Rahnema), 1 May 1990 through 31 December 1990. (Project 768295 - New)

\$3,500.00 - Milheim Foundation for Cancer Research, Denver, Colorado, Potential Toxicity of Anticancer Retinoids: Triplet-Sensitized Photooxygenation, College of Pharmacy (R. W. Curley), 1 July 1990 through 30 June 1991. (Project 768366 - New)

\$3,000.00 - Texas A & M University, College Station, Texas, Ocean Drilling Program Leg 130, Department of Geology and Mineralogy (L. Krissek), 25 April 1990 through 31 October 1990. (Project 768087 - Continuation)

\$2,985.00 - Arts Midwest, Minneapolis, Minnesota, Trisha Brown Dance Company, Wexner Center for the Visual Arts (R. Stearns), 1 January 1990 through 30 November 1990. (Project 768309 - New)

\$2,177.00 - Arts Midwest, Minneapolis, Minnesota, Performance of Bill T. Jones and Arnie Zane, Wexner Center for the Visual Arts (R. Stearns), 1 March 1990 through 28 February 1991. (Project 768308 - New)

\$2,000.00 - Egyptian Government, Washington, D.C., Cultural and Educational Bureau -- Peace Fellowship Program, Department of Biochemistry (D. H. Dean), 1 October 1989 through 1 July 1990. (Project 768303 - New)

\$1,000.00 - American Chemical Society, Washington, D.C., Cancer Test Kit Development: Immuno Characterization of Human Cell DNA Damage and Repair, Department of Radiology (S. M. D'Ambrosio) and Medicine Administration (C. L. Yash), 18 June 1990 through 24 August 1990. (Project 768354 - New)

\$750.00 - Association of Performing Arts Presenters, Washington, D.C., Travel Assistance Program, Wexner Center for the Visual Arts (R. Stearns), 1 May 1990 through 31 October 1990. (Project 768301 - New)

\$600.00 - Sigma Xi, New Haven, Connecticut, The Efficacy of Functional Electrical Stimulation Induced Exercise and Weightbearing in Minimizing Bone Loss Subsequent to Spinal Cord Injury, Department of Physical Medicine (W. J. Mysiw), 1 July 1990 through 30 June 1991. (Project 768364 - New)

\$500.00 - American Chemical Society, Washington, D.C., Characterization of Oncofetal Cancer Marker Protein, Department of Physiological Chemistry (T. E. Webb) and Medicine Administration (C. L. Yash), 18 June 1990 through 24 August 1990. (Project 768378 - New)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$400.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Treatment of Primary Breast Cancer, Department of Surgery (W. B. Farrar), 1 February 1989 through 31 January 1990. (Project 763659 - Continuation)

Purchased Services - Kemper Research Foundation, Milford, Ohio, The Modification of Environmental Surfaces to Effect Microbial Control in the Arthur James Cancer Center and Research Institute, Department of Internal Medicine and Cancer Hospital and Research Institute (B. C. Fox) and Department of Pathology (L. W. Ayers), 1 January 1990 through 31 August 1990. (Project 768119 - Continuation) (Approximate Dollar Value - \$400,000)

**TOTAL - OTHER NON-FEDERAL AWARDS** **\$ 3,063,557.50**

**ENGINEERING EXPERIMENT STATION**

**State Sponsored Research and Development**

\$192,363.00 - from The Industrial Commission of Ohio, Columbus, Ohio, for "Evaluation of the Motion Component in Manual Lifting," under the direction of the department of Industrial and Systems Engineering for the period July 1, 1990 through June 30, 1991. (529850)

\$48,221.00 - from Ohio Department of Transportation, Columbus, Ohio, for "Performance Evaluation of Fiber Reinforced Asphalt Concrete," under the direction of the department of Civil Engineering for the period June 1, 1990 through June 1, 1991. (529849)  
Industry and Other Sponsored Research and Development

**TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$240,584.00**

**Industry and Other Sponsored Research and Development**

\$101,616.00 - from Semiconductor Research Corp., Research Triangle Park, NC, for "The Development of Fracture Mechanics Methodology for Establishing the Influence of Defects on the Performance and Reliability of Polymeric Dielectric Materials," under the direction of the department of Engineering Mechanics for the period April 1, 1990 through March 31, 1991. (529843)

\$63,497.00 - from General Electric, Lynn, Mass., for "Research Services to Investigate Improvements for Fatigue Prediction of High Performance Gearing," under the direction of the department of Mechanical Engineering for the period April 1, 1990 through December 31, 1990. (529847)

\$29,999.00 - from Martin Marietta, Denver, Colorado, for "Design of a Dichroic Surface," under the direction of the department of Electrical Engineering for the period November 15, 1989 through August 31, 1990. (312522, Ext. 1)

\$25,000.00 - from various industry for membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **ENGINEERING EXPERIMENT STATION (contd)**

#### **Industry and Other Sponsored Research and Development (contd)**

\$23,000.00 - from Battelle, Columbus, Ohio for "Technical Services," under the direction of the department of Mechanical Engineering for the period May 1, 1990 through October 31, 1990. (312541)

\$21,092.00 - from General Electric, Cincinnati, Ohio, for "Advanced Titanium Weldability," under the direction of the department of Welding Engineering for the period April 1, 1989 through December 10, 1990. (529802, Ext. 2)

\$20,000.00 - from various industry for associate memberships in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$20,000.00 - from various industry for membership in the Fracture Mechanics Consortium under the direction of the department of Engineering Mechanics. (529788)

\$17,400.00 - from General Electric Aircraft Engines, Cincinnati, Ohio, for "Hydrocarbon Fuel Testing," under the direction of the department of Aeronautical and Astronautical Engineering for the period March 15, 1990 through June 30, 1990. (312534, Ext. 1)

\$8,173.00 - from 11 sponsors of 13 development projects in one research area of the College.

\$3,299.00 - from Westinghouse, Sunnyvale, CA, for "Evaluation of Gear Mesh Transmission Error," under the direction of the department of Mechanical Engineering for the period May 1, 1989 through June 30, 1990. (529805, Ext. 1)

\$2,000.00 - from various industry for affiliate memberships in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

#### **TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

#### **Establishment of Named Funds**

##### **The Robert Bartels Fund for College Development**

The Robert Bartels Fund for College Development was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Robert Bartels Fund for College Development (contd)**

The annual income shall be used to provide the College of Business with funds to enhance its capabilities and prestige. Funds may be used for programs such as (although not limited to) faculty exchanges, bringing eminent business leaders/educators to campus, and other programs as determined by the Dean of the College of Business.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Fellowship in Marketing Fund**

The Robert Bartels Fellowship in Marketing Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more doctoral fellowships in Marketing. The award(s) shall be made for one year, with preference given for the final year of the student's program. Selection of the recipient shall be made by the chairperson of the Marketing faculty, Director of the Ph.D. Program, and chairperson of the Graduate Studies Committee of the College of Business, in consultation with the University Committee on Student Financial Aid. Awards shall be made to those students who have maintained a G.P.A. of 3.5 or better (out of 4.0) in graduate study. It is understood this fellowship shall provide for payment of the student's tuition and fees during the year of the award. If the award is not made in any given year, the income shall be added to the fund's principal.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Robert Bartels Fellowship for Master of Business Administration Fund**

The Robert Bartels Fellowship for Master of Business Administration Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more fellowships for Master of Business Administration students. Selection of the recipient(s) shall be made by the Director of the Master of Business Administration Program and the chairperson of the Graduate Studies Committee, in consultation with the University Committee on Student Financial Aid. Awards shall be made to those students who have maintained a G.P.A. of 3.5 or better (out of 4.0) in undergraduate and/or previous graduate study. It is understood that this fellowship shall provide for payment of a student's tuition and fees during the year of the award. If the award is not made in any given year, the income shall be added to the fund's principal.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Graduate Fellowship in Business Fund**

The Robert Bartels Graduate Fellowship in Business Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more fellowship(s) to doctoral students in Marketing, Finance, or Management. Selection of the recipient(s) shall be made by the Director of the Ph.D. Program and the Chairperson of the Graduate Studies Committee in the College of Business, in consultation with the University Committee on Student Financial Aid. Awards shall be made only to applicants who have maintained a G.P.A. of 3.5 or better (out of 4.0) in graduate studies. The awards shall be made for one year, preferably for the recipient's final year. It is understood that this fellowship shall provide for payment of the recipient's tuition and fees during the year of the award. If the award is not made in any given year, the income shall be added to the fund's principal.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Robert Bartels Graduate Fellowship in Business Fund (contd)**

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Graduate Fellowship in International Business Fund**

The Robert Bartels Graduate Fellowship in International Business Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more fellowships(s) to doctoral students in International Business. If the award is not granted to a student in International Business, it may be awarded to a candidate in Marketing, Finance, or Management. Selection for the recipient shall be made jointly by the Director of the Ph.D. Program, the chairperson of the Graduate Studies Committee, and head of the International Business Program in the College of Business, in consultation with the University Committee on Student Financial Aid. Awards shall be made to those students who have maintained a G.P.A. of 3.5 or better (out of 4.0) in graduate study. The award shall be made for one year, preferably for the student's final year. It is understood that this fellowship shall provide for payment of the recipient's tuition and fees during the year of the award. If the award is not made in any given year, the income shall be added to the fund's principal.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Scholarship Fund for Study Abroad**

The Robert Bartels Scholarship Fund for Study Abroad was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Robert Bartels Scholarship Fund for Study Abroad (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships to undergraduate students, preferably in Business, whose major requires or would significantly benefit from study abroad. In the absence of such applicants, awards may be made to students in the Arts, Humanities, or Social and Behavioral Sciences who would similarly benefit from such study abroad. The award shall be made for one year and shall not be renewable. It is understood that this award shall provide for payment of the recipient's tuition and fees during the year of the award. Awards shall be made only to students who have maintained a G.P.A. of 3.5 or better (out of 4.0). Should the award not be made in any given year, the income shall be added to the fund's principal. Selection of the recipient(s) shall be made from applicants for merit scholarships to study abroad by an appropriate University committee, such as the Fulbright selection committee, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Undergraduate Scholarship Fund**

The Robert Bartels Undergraduate Scholarship Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships for undergraduate students in the College of Business based upon merit and need as determined by the Office of the Dean of the College of Business and in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Iola Keller Brown Scholarship Fund**

The Iola Keller Brown Scholarship Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from her husband, Richard T. Brown (B.S.Agr. '42, B.Agr.E. '46), and family in honor of Iola Keller Brown (B.S.H.E. '41).

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships to upperclass undergraduate students in the College of Human Ecology who have demonstrated academic promise, leadership among peers, and service to the University. Recipients shall be chosen by the Dean of the College of Human Ecology, in consultation with the scholarship committee of the College of Human Ecology and the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**Change of Name and Description of Named Fund**

**The Dairy Science Chair Fund in Lactational Physiology  
and Mammary Health**

The Dairy Science Chair in Lactational Physiology and Mammary Health was established April 8, 1988, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from industry, alumni, faculty and friends of the Department of Dairy Science. The name was changed and the description was revised September 7, 1990.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income and additional gifts shall be added to the fund's principal until the minimum amount for funding an endowed chair (\$1,250,000) has been reached. At that time, the annual income shall be used to provide salary and program support for the work of a distinguished teacher and scholar in the field of lactational physiology and mammary health as recommended by the Vice President for Agricultural Administration to the Provost of The Ohio State University and approved by the Board of Trustees. In the absence of such a faculty member, income shall be used for the development of this fund and/or to support research directed to the improvement of dairy management and dairy cow production.

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Change of Name and Description of Named Fund (contd)**

##### **The Dairy Science Chair Fund in Lactational Physiology and Mammary Health (contd)**

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

#### **Report - July 1990**

##### **Federal Research Contracts/Grants**

\$912,773.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant, Comprehensive Cancer Center (D. E. Schuller), 1 July 1990 through 30 April 1991. (Project 763976 - Continuation)

\$370,000.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., The Great Lakes Area Regional Center for Deaf-Blind Education, Education Administration and School of Health, Physical Education, and Recreation (K. D. Arnold), 1 October 1990 through 30 September 1991. (Project 767864 - Continuation)

\$320,000.00 - Department of Agriculture, Science and Education, Washington, D.C., The Ohio Buried Valley Aquifer Management Systems Evaluation Area, Department of Agricultural Engineering - OARDC and Department of Agricultural Engineering (A. D. Ward), Department of Geology and Mineralogy and Department of Agronomy - OARDC (E. S. Bair), and Department of Agronomy (T. J. Logan), 1 July 1990 through 30 June 1991. (Project 768175 - New)

\$308,060.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Caregivers of Alzheimer's Disease Victims: Stress and Mental Health, Department of Psychiatry (J. Kiecolt-Glaser), Department of Microbiology and Immunology (M. R. Glaser), and Department of Psychology (R. C. MacCallum), 1 August 1990 through 31 July 1991. (Project 765958 - Continuation)

\$302,504.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Transmural Transport in Blood Vessels, Department of Pathology and Department of Internal Medicine (D. L. Fry), 1 September 1990 through 31 August 1991. (Project 763184 - Continuation)

\$220,719.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Antidepressant Drugs in the Treatment of Anxiety Disorders, Department of Psychiatry (M. R. Mavissakalian), 1 August 1990 through 31 July 1991. (Project 765702 - Continuation)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$207,500.00 - Department of Energy, Argonne, Illinois, Structure and Regulation of Methanogen Genes, Department of Microbiology (J. N. Reeve), 1 July 1990 through 30 June 1992. (Project 768060 - Continuation)

\$201,000.00 - Department of Energy, Argonne, Illinois, An Accelerator Neutron Source for Boron Neutron Capture Therapy (BNCT), Department of Mechanical Engineering (T. E. Blue, R. Christensen, and K. Vafai) and Department of Radiology (R. Gahbauer), 15 July 1990 through 14 July 1991. (Project 767614 - Continuation)

\$200,000.00 - Department of Health and Human Services, Administration on Developmental Disabilities, Kansas City, Missouri, UAF Administration and Operation, Nisonger Center (V. L. Reynolds and S. R. Schroeder), 1 July 1990 through 30 June 1991. (Project 763712 - Continuation)

\$199,967.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Array Studies, ElectroScience Laboratory, Department of Electrical Engineering (B. A. Munk and L. W. Henderson), 1 April 1990 through 31 March 1991. (Project 761608 - Continuation)

\$184,899.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Thymidylate Synthetase Gene Structure and Expression, Department of Biochemistry and Department of Molecular Genetics (L. F. Johnson), 1 September 1990 through 31 August 1991. (Project 762903 - Continuation)

\$183,146.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Neural Regulation of Small Intestinal Mucosa, Department of Physiology (H. J. Cooke), 1 July 1990 through 30 June 1991. (Project 768408 - Continuation)

\$158,913.00 - Department of Health and Human Services, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Gastric Function -- Central Control, Department of Physiology (R. C. Rogers), 1 July 1990 through 30 June 1991. (Project 765541 - Continuation)

\$156,875.00 - National Science Foundation, Washington, D.C., The Spectroscopy of Chemical Intermediates and Other Transient Species, Department of Chemistry (T. A. Miller), 1 July 1990 through 31 December 1990. (Project 768425 - New)

\$154,757.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Immediate Early Gene Regulation in Herpes Simplex Virus, Department of Molecular Genetics (M. T. Muller), 1 July 1990 through 30 June 1991. (Project 767528 - Continuation)

\$148,692.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Gastrointestinal Kallikrein and Renin Systems, Department of Physiology (P. E. Ward), 1 July 1990 through 30 June 1991. (Project 766971 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$142,808.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Calcium and Calmodulin in Smooth Muscle Contraction, Department of Physiological Chemistry (J. D. Johnson), 1 July 1990 through 30 June 1991. (Project 764737 - Continuation)

\$140,732.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Acute Phase Reactants: Induction and Host Resistance, Department of Microbiology (R. F. Mortensen), 21 July 1990 through 30 June 1991. (Project 762354 - Continuation)

\$138,250.00 - National Science Foundation, Washington, D.C., Active Site Structure and Chemistry in Enzymatic Sulfite Reduction, Department of Chemistry (J. A. Cowan) and Department of Biochemistry (R. P. Swenson), 15 July 1990 through 30 June 1991. (Project 768447 - New)

\$122,792.00 - Department of Health and Human Services, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Bethesda, Maryland, Anterior Cruciate Ligament Reconstruction, Department of Mechanical Engineering (N. Berme) and Department of Surgery (S. R. Simon), 1 August 1990 through 31 July 1991. (Project 766933 - Continuation)

\$117,297.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Internal Medicine (S. P. Balcerzak), 13 July 1990 through 30 June 1991. (Project 761160 - Continuation)

\$117,086.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Localization of the Functional Domains on the Bacillus thuringiensis Delta-Endotoxin, Department of Biochemistry (D. H. Dean), 1 July 1990 through 30 June 1991. (Project 767596 - Continuation)

\$107,585.00 - National Science Foundation, Washington, D.C., A Model for Anomaly Resolution in Scientific Change, Department of Computer and Information Science (B. Chandrasekaran) and Center for Cognitive Science (P. W. Culicover), 15 July 1990 through 31 August 1991. (Project 768473 - New)

\$105,464.00 - Department of Health and Human Services, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, Biochemical Studies of Arsenite Oxidase and Sulfite Oxidase, Department of Physiological Chemistry (C. R. Hille), 1 July 1990 through 30 June 1991. (Project 766908 - Continuation)

\$103,703.00 - Department of the Interior, Geological Survey, Reston, Virginia, FY 1990 Ohio Water Research Institute Program, Engineering Experiment Station (R. C. Stiefel), Department of Chemical Engineering (L. S. Fan), Department of Agronomy (G. K. Sims and S. J. Traina), and Department of Agricultural Engineering (A. Ward), 1 July 1990 through 30 June 1991. (Project 766766 - Continuation)

\$103,406.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Ex Vivo Xenoantibody Adsorption, Department of Surgery (M. L. Henry), 1 July 1990 through 30 June 1991. (Project 767662 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$98,000.00 - National Science Foundation, Washington, D.C., Targeting of Nodulins and Biogenesis of the Endosymbiotic Compartment, Biotechnology Program (D. P. S. Verma), 1 June 1990 through 31 May 1991. (Project 767492 - Continuation)

\$97,835.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., U.S. AID Program Support Grant for Fiscal Years 1986-1991, Office of International Programs in Agriculture (D. O. Hansen), 1 September 1990 through 30 June 1991. (Project 765750 - Continuation)

\$95,936.00 - Department of Health and Human Services, National Institute on Aging, Bethesda, Maryland, Auditory Aiding for Perceptual-Motor Decline in Aging, Department of Psychology (R. J. Jagacinski), 1 August 1990 through 31 July 1991. (Project 768478 - New)

\$94,891.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, Physiological Analysis of Optic Nerve Disease, College of Optometry (P. E. King-Smith), 1 August 1990 through 31 July 1991. (Project 763996 - Continuation)

\$92,945.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Regulation of Macrophage Interleukin-1 Beta Production, Department of Internal Medicine (M. D. Wewers), 1 July 1990 through 30 June 1991. (Project 767518 - Continuation)

\$92,256.00 - National Science Foundation, Washington, D.C., The Information Processing Effects of Attitude Importance, Department of Psychology (J. Krosnick), 15 June 1990 through 30 June 1992. (Project 768413 - New)

\$88,735.00 - National Science Foundation, Washington, D.C., Hydraulic Forming Simulator, Department of Materials Science and Engineering (R. H. Wagoner), 15 July 1990 through 30 June 1991. (Project 768435 - New)

\$87,077.00 - Department of Labor, Bureau of International Labor Affairs, Washington, D.C., Poland Self-Employment and Entrepreneurial Skills Training Project, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768442 - New)

\$83,300.00 - National Science Foundation, Washington, D.C., X-Ray Spectroscopy of Metal Centers in Respiratory Proteins, Department of Physiological Chemistry (J. O. Alben), 1 August 1990 through 31 July 1991. (Project 767637 - Continuation)

\$77,128.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Feline Retrovirus Associated Intestinal Dysfunction, Department of Veterinary Pathobiology (L. E. Mathes), 1 July 1990 through 30 June 1991. (Project 766909 - Continuation)

\$75,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Molecular Mechanisms of Geminivirus Replication, Biotechnology Program and Department of Molecular Genetics (D. M. Bisaro), 1 September 1990 through 31 August 1991. (Project 768439 - New)

September 7, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$75,000.00 - Department of the Interior, Geological Survey, Reston, Virginia, The Development of a Cartographic Model for a Knowledge-Based Cartographic System, Center for Mapping (J. D. Bossler), 1 June 1990 through 31 May 1991. (Project 768430 - New)

\$73,500.00 - National Science Foundation, Washington, D.C., Physiological Substrates and Products of Carbon Monoxide Dehydrogenase from Methanosarcina barkeri, Department of Microbiology (J. A. Krzycki), 1 July 1990 through 30 June 1991. (Project 767791 - Continuation)

\$71,364.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Deoxyuridine Metabolism in Herpes Labialis, Department of Microbiology and Immunology (M. V. Williams), 1 July 1990 through 30 June 1991. (Project 764006 - Continuation)

\$71,130.00 - National Science Foundation, Washington, D.C., The Relativistic Optical Model at Intermediate Energies, Department of Physics (B. C. Clark), 1 July 1990 through 30 June 1991. (Project 767674 - Continuation)

\$70,000.00 - National Science Foundation, Washington, D.C., Light Scattering from Strongly Perturbed Semiconductors, Department of Physics (R. Sooryakumar), 15 June 1990 through 31 May 1991. (Project 768417 - New)

\$70,000.00 - National Science Foundation, Washington, D.C., Quasi-Elastic Light Scattering Studies of Protein Refolding and Aggregation, Department of Chemical Engineering (S. T. Yang), 1 July 1990 through 30 June 1992. (Project 768477 - New)

\$69,450.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Human Erythroid-Potentiating Activity, Department of Internal Medicine (B. R. Avalos), 1 August 1990 through 31 July 1991. (Project 766427 - Continuation)

\$69,000.00 - National Science Foundation, Washington, D.C., Intermolecular Free Radical Addition Reaction, Department of Chemistry (D. J. Hart), 1 July 1990 through 30 June 1991. (Project 768426 - New)

\$62,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Physics (R. J. Perry), 1 February 1991 through 31 January 1992. (Project 766901 - Continuation)

\$59,745.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Catalytic Sites of Two Calmodulin-Dependent Enzymes, Department of Chemistry (M. M. King), 1 July 1990 through 30 June 1991. (Project 767619 - Continuation)

\$59,160.00 - Department of Energy, Argonne, Illinois, Molecular Orbital Studies of the Bonding in Heavy Element Organometallics, Department of Chemistry (B. Bursten), 1 July 1990 through 30 June 1991. (Project 765484 - Continuation)

\$57,355.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Physics (D. L. Cox), 1 January 1991 through 31 December 1991. (Project 766937 - Continuation)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

\$54,000.00 - Department of Energy, Argonne, Illinois, Investigations of Ultrasonic Surface Wave Interaction with Porous Saturated Rocks, Department of Welding Engineering (L. Adler), 1 July 1990 through 30 June 1991. (Project 766168 - Continuation)

\$52,250.00 - National Science Foundation, Washington, D.C., Dynamics and Patterns in Reaction Diffusion Equations, Department of Mathematics (D. Terman), 1 July 1990 through 30 June 1992. (Project 768453 - New)

\$51,914.00 - Department of Education, Washington, D.C., Advanced Modern Standard Arabic Proficiency Oriented Language Materials Project, Department of Judaic and Near Eastern Languages and Literatures (M. M. Alesh), 15 July 1990 through 14 July 1991. (Project 768416 - New)

\$50,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Dispersal of Two Fungal Pathogens of Strawberry by Rain Splash, Department of Plant Pathology - OARDC (L. V. Madden and M. A. Ellis), 1 July 1990 through 30 June 1991. (Project 768472 - Continuation)

\$44,500.00 - National Science Foundation, Washington, D.C., Algebraic and Geometric Topology, Department of Mathematics (M. W. Davis and R. M. Charney), 1 July 1990 through 30 June 1991. (Project 767613 - Continuation)

\$40,000.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, X-Ray Studies on Nucleic Acid Constituents, Department of Chemistry (M. Sundaralingam), 1 September 1990 through 28 February 1991. (Project 768487 - New)

\$39,324.00 - National Science Foundation, Washington, D.C., Econometric Models of Probabilistic Choice Over a Continuous Choice Set, Department of Economics (S. R. Cosslett), 1 July 1990 through 30 June 1991. (Project 767597 - Continuation)

\$39,200.00 - National Science Foundation, Washington, D.C., Multilinear Analysis of Spectroscopic Data, Department of Statistics (S. E. Leurgans) and Department of Biochemistry (R. T. Ross), 1 July 1990 through 30 June 1991. (Project 767631 - Continuation)

\$33,300.00 - National Science Foundation, Washington, D.C., Geometry and Topology of Complex Variables and Manifolds in Low Dimensions, Department of Mathematics (W. D. Neumann), 1 June 1990 through 31 May 1991. (Project 767479 - Continuation)

\$32,900.00 - National Science Foundation, Washington, D.C., Yang-Baxter Operators, Quantum Field Theories, and Invariants in Low-Dimensional Topology Via Hopf Algebras and Representations of Monoidal Categories, Mansfield Campus (D. N. Yetter), 1 July 1990 through 30 June 1992. (Project 768397 - New)

\$32,000.00 - National Science Foundation, Washington, D.C., Composition of Sums of Squares: Quadratic Forms and Galois Groups, Department of Mathematics (J. C. Ferrar and T. L. Smith), 1 June 1990 through 31 May 1992. (Project 768412 - New)

September 7, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$29,800.00 - National Science Foundation, Washington, D.C., Groups, Geometry, and Algorithms, Department of Mathematics (W. D. Neumann and M. Shapiro), 15 June 1990 through 31 May 1992. (Project 768410 - New)

\$29,052.00 - Department of the Air Force, Air Force Systems Command, Kirtland Air Force Base, New Mexico, Assignment Agreement, Department of Aeronautical and Astronautical Engineering (P. J. Turchi), 1 June 1990 through 30 September 1990. (Project 768407 - New)

\$28,000.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Involvement of a tRNA Synthetase in RNA Splicing, Department of Molecular Genetics (A. M. Lambowitz), 1 September 1990 through 31 August 1991. (Project 767697 - Continuation)

\$25,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Welding Engineering (A. Benatar), 15 July 1990 through 30 June 1991. (Project 768483 - New)

\$24,500.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Mathematics (K. Rubin), 1 February 1991 through 31 January 1992. (Project 766905 - Continuation)

\$22,796.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Molecular Biology of the Extremely Thermophilic Archaeobacterium, Methanothermus fervidus, Department of Microbiology (J. N. Reeve), 1 June 1990 through 30 September 1990. (Project 765291 - Continuation)

\$20,800.00 - National Science Foundation, Washington, D.C., Algebra and Number Theory: Shimura Varieties, Department of Mathematics (A. Silverberg), 15 June 1990 through 31 May 1991. (Project 768427 - New)

\$20,000.00 - National Science Foundation, Washington, D.C., Emission Line Regions of Active Nuclei and Classical Novae, Department of Astronomy (G. J. Ferland), 1 July 1990 through 30 November 1991. (Project 766540 - Continuation)

\$15,805.00 - National Science Foundation, Washington, D.C., Pike Piscivory and Ponds: Complex Interactions in Littoral Benthic Communities, Department of Zoology (R. A. Stein), 15 July 1990 through 30 June 1993. (Project 768471 - New)

\$15,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Processing and Testing of Chromized-Aluminized Diffusion Coatings on Superalloys, Department of Materials Science and Engineering (R. A. Rapp), 1 July 1990 through 30 September 1990. (Project 768203 - Continuation)

\$13,000.00 - National Science Foundation, Washington, D.C., Syntheses and Studies of Selected Metal Carbonyl and Boron-Metal Carbonyl Clusters, Department of Chemistry (S. G. Shore), 1 September 1990 through 31 August 1991. (Project 766824 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$12,000.00 - National Science Foundation, Washington, D.C., Market Behavior in U.S. Food Industries: An Examination of Alternative Theories, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (E. Jones), 15 July 1990 through 30 June 1991. (Project 768434 - New)

\$11,995.00 - National Science Foundation, Washington, D.C., Ceremonial Exchange of Vanport Flint Bladelets Among "Hopewell" Groups in the Lower Scioto River Valley: A Test of a New Method of Sourcing Flint, Department of Anthropology (R. W. Yerkes), 1 August 1990 through 31 July 1992. (Project 768438 - New)

\$10,509.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Small Instrumentation Grant, College of Pharmacy (R. W. Brueggemeier), 1 August 1990 through 31 July 1991. (Project 768337 - New)

\$10,370.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Scale Elimination in Turbulent Flows, Department of Mechanical Engineering and Department of Aeronautical and Astronautical Engineering (T. Herbert), 1 January 1991 through 21 February 1991. (Project 768182 - Continuation)

\$10,000.00 - Department of the Army, Army Materiel Command, Aberdeen Proving Ground, Maryland, Optical Isomers of Medetomidine Analogs, College of Pharmacy (D. D. Miller), 1 June 1990 through 31 May 1991. (Project 768466 - New)

\$6,184.00 - Department of Energy, Argonne, Illinois, Strongly Interacting Fermion Systems, Department of Physics (J. W. Wilkins), 15 November 1989 through 14 November 1990. (Project 766783 - Continuation)

\$6,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Physics (G. P. Lafyatis), 1 June 1990 through 28 February 1991. (Project 766988 - Continuation)

\$5,770.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Head Injury Trauma Research Program, Department of Mechanical Engineering (R. L. Stalnaker), 1 July 1990 through 30 September 1990. (Project 767854 - Continuation)

\$5,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Small Instrumentation Grant, Department of Veterinary Pathobiology (T. J. Rosol), 15 July 1990 through 30 June 1991. (Project 768444 - New)

\$572.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Immunoprevention of Human T-Cell Leukemia Virus-I Infection, Department of Veterinary Pathobiology (R. G. Olsen and L. E. Mathes), 1 December 1989 through 30 November 1990. (Project 765057 - Continuation)

**TOTAL - FEDERAL AWARDS**

**\$ 8,011,276.00**

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **State of Ohio Research Contracts/Grants**

\$930,886.65 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - C - Trade and Technical Education, Education Administration (D. P. Anderson), 1 July 1990 through 30 June 1991. (Project 768454 - Continuation)

\$847,024.00 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - E - Instructional Materials Laboratory, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768458 - Continuation)

\$692,768.53 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - D - Vocational Educational Services, Education Administration (D. P. Anderson), 1 July 1990 through 30 June 1991. (Project 768457 - Continuation)

\$568,502.23 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - B - Vocational Research, Survey, Evaluation, and Exemplary Programs, Education Administration (D. P. Anderson), 1 July 1990 through 30 June 1991. (Project 768456 - Continuation)

\$303,975.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Ecology and Population Dynamics of Lake Erie Fishes, Department of Zoology (B. Vondracek), 1 July 1990 through 30 June 1991. (Project 766201 - Continuation)

\$214,448.00 - State of Ohio, Board of Regents, Columbus, Ohio, Urban University Program, Research and Graduate Studies Administration (T. L. Sweeney), 1 July 1990 through 30 June 1991. (Project 768468 - New)

\$81,486.00 - State of Ohio, Department of Education, Columbus, Ohio, State Superintendent's Task Force for Preparing Special Education Personnel, Education Administration (T. M. Stephens), 1 July 1990 through 30 June 1991. (Project 768403 - Continuation)

\$60,000.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Social Work Practice with Persons with Severe Mental Disabilities, College of Social Work (M. Coleman), 1 July 1990 through 30 June 1991. (Project 768489 - Continuation)

\$40,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Ohio Business Retention and Expansion Program, Department of Agricultural Economics and Rural Sociology (L. J. Hushak), 1 July 1990 through 30 June 1991. (Project 768424 - Continuation)

\$29,700.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Take a Break, County Operations - Ohio Cooperative Extension Service (C. J. Syracuse), 1 July 1990 through 30 June 1991. (Project 768418 - Continuation)

\$25,000.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Parent Education: A Prevention, County Operations - Ohio Cooperative Extension Service (B. W. Chirayath), 1 July 1990 through 30 June 1991. (Project 768423 - Continuation)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$20,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Labor-Management Partnership Program (A Regional Center for the Advancement of Labor-Management Cooperation), Academic Faculty of Management and Human Resources (D. B. Patton and H. R. Bobbitt, Jr.), 1 July 1989 through 31 October 1990. (Project 767608 - Continuation)

\$18,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Forest Industry By-Product Study, County Operations - Ohio Cooperative Extension Service (S. M. Bratkovich) and Administration - Ohio Cooperative Extension Service (G. R. Passewitz), 1 January 1990 through 31 January 1991. (Project 768440 - New)

\$17,129.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Master Parenting, County Operations - Ohio Cooperative Extension Service (N. Hudson), 1 July 1990 through 30 June 1991. (Project 768421 - Continuation)

\$14,963.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Special Parenting Program, County Operations - Ohio Cooperative Extension Service (B. J. Wurzel), 1 July 1990 through 30 June 1991. (Project 768419 - Continuation)

\$11,055.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Parent Support Group, County Operations - Ohio Cooperative Extension Service (C. J. Syracuse), 1 July 1990 through 30 June 1991. (Project 768422 - Continuation)

\$7,536.00 - State of Ohio, Department of Education, Columbus, Ohio, Upward Bound Summer Food Program, Office of Minority Affairs (L. K. Jackson), 1 June 1990 through 31 October 1990. (Project 768376 - Continuation)

\$6,375.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Building Family Strengths, County Operations - Ohio Cooperative Extension Service (B. J. Gilbert), 1 July 1990 through 30 June 1991. (Project 768420 - Continuation)

**TOTAL - STATE OF OHIO AWARDS** **\$ 3,888,848.41**

**Industrial Research Contracts/Grants**

\$163,081.00 - The Procter and Gamble Company, Cincinnati, Ohio, The Relative Effects of Diets Containing an Experimental Fat or Palm Oil/Palm Kernel Oil on Serum Lipids and Apolipoproteins in Men, School of Allied Medical Professions (G. M. Wardlaw) and Department of Human Nutrition and Food Management (J. T. Snook), 1 July 1990 through 30 June 1991. (Project 768462 - New)

\$123,522.00 - Neoprobe Corporation, Columbus, Ohio, Biodistribution and Dose Optimization of Various Radiolabeled Monoclonal Antibodies in Nude Mice -- Phase I, Department of Veterinary Pathobiology (G. S. Krakowka), 23 July 1990 through 22 July 1991. (Project 768451 - New)

\$96,746.00 - General Electric Governmental Services, Cherry Hill, New Jersey, Non-Formal Vocational Training Project: Turkey, Center on Education and Training for Employment (R. D. Ryan), 20 May 1990 through 15 December 1990. (Project 768475 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$46,980.00 - The NutraSweet Company, Deerfield, Illinois, Aspartame Solution Stabilization: Interaction of Aspartame with Food Hydrocolloids, Department of Food Science and Nutrition - OARDC and Department of Food Science and Technology (P. M. T. Hansen) and Department of Food Science and Technology (G. W. Chism, III), 15 July 1990 through 14 July 1991. (Project 768409 - New)

\$39,470.00 - Showa Denko K.K., New York, New York, Efficacy of L-Ascorbyl-2-Phosphate Sodium for Weanling and Growing-Finishing Swine, Department of Animal Science - OARDC and Department of Animal Science (D. C. Mahan) and Department of Animal Science (A. J. Lepine), 1 July 1990 through 30 June 1991. (Project 768405 - New)

\$35,823.00 - General Electric Company, Cincinnati, Ohio, Plasma Arc Tunnel Test Program, Department of Aeronautical and Astronautical Engineering (J. D. Lee and G. M. Gregorek), 13 October 1989 through 30 January 1991. (Project 767130 - Continuation)

\$31,788.00 - Adria Laboratories, Dublin, Ohio, A Continued Assessment of the Safety, Tolerance, and Pharmacokinetics of Single Intravenous Doses of ADR-851 Compared to Placebo in Normal Healthy Male Volunteers, Department of Pharmacology (N. Gerber), 1 March 1990 through 31 August 1990. (Project 768198 - Continuation)

\$6,500.00 - E. R. Squibb and Sons, Princeton, New Jersey, Evaluation of the Safety and Efficacy of Zofenopril Calcium Therapy in Patients with Chronic Heart Failure, Department of Internal Medicine (C. V. Leier and R. J. Cody), 1 October 1989 through 30 June 1991. (Project 767122 - Continuation)

\$6,000.00 - Hoffman-LaRoche, Inc., Nutley, New Jersey, Comparison of Furosemide and Bumetanide in the Treatment of Prehospital and Emergency Department Pulmonary Edema, Department of Preventive Medicine (D. R. Martin and C. G. Brown), 1 January 1990 through 31 December 1990. (Project 768486 - New)

\$5,800.00 - CIBA-GEIGY Corporation, Summit, New Jersey, Multiple Oral Dose Study of CGS-15873A(06) in Healthy Normal Male Volunteers, Department of Pharmacology (N. Gerber), 15 March 1990 through 14 March 1991. (Project 768199 - Continuation)

\$5,000.00 - Rockwell International, Thousand Oaks, California, Development of a Postprocessor for Welding Thermal Analysis Using ABAQUS Computer Code, Department of Welding Engineering (C. L. Tsai), 12 July 1990 through 5 October 1990. (Project 768432 - New)

\$2,500.00 - San Diego Clinical Research Associates, Vista, California, An Open Multisite Study of the Safety and Efficacy of Cetirizine in Allergic Rhinitis and Idiopathic Urticaria, Department of Internal Medicine (D. L. McNeil), 1 July 1990 through 30 June 1991. (Project 768433 - New)

\$1,387.00 - The Procter and Gamble Company, Cincinnati, Ohio, A Multicenter Trial to Evaluate the Safety and Effectiveness of Peridex Dosed B.I.D. for Preventing or Delaying the Occurrence of Lesions Due to Oral Candidiasis in HIV-Positive Individuals, Department of Internal Medicine (M. F. Para), 1 July 1990 through 30 June 1991. (Project 768383 - Continuation)

**TOTAL - INDUSTRIAL AWARDS**

**\$ 564,597.00**

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants**

\$1,706,914.00 - National Association of Regulatory Utility Commissioners, Washington, D.C., Research and Assistance Plan and Budget for the National Regulatory Research Institute: The Business Plan for Fiscal Year 1991, National Regulatory Research Institute (D. N. Jones), 1 July 1990 through 30 June 1991. (Project 763289 - Continuation)

\$410,416.00 - University of Chicago, Argonne, Illinois, Optical Readout System for the ZEUS Barrel Calorimeter, Department of Physics (T. Y. Ling and T. A. Romanowski), 1 January 1990 through 31 January 1991. (Project 767107 - Continuation)

\$332,100.00 - United Nations, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1990 through 30 June 1991. (Project 760113 - Continuation)

\$210,039.00 - Healthcare Financial Management Association, Westchester, Illinois, The Development of a Financial Service for the Hospital Industry, Division of Hospital and Health Services Administration (W. O. Cleverley), 1 July 1990 through 30 June 1991. (Project 761794 - Continuation)

\$110,000.00 - American Cancer Society, Atlanta, Georgia, Leukemia Cell Differentiation: Epigenetic Therapeutics, Department of Physiological Chemistry and Comprehensive Cancer Center (R. W. Trewyn), 1 July 1990 through 30 June 1991. (Project 766163 - Continuation)

\$94,158.00 - Columbus Human Services Department, Columbus, Ohio, The Columbus Neighborhood Technical Assistance Program, Department of City and Regional Planning (S. I. Gordon), 1 January 1990 through 31 December 1990. (Project 768133 - Continuation)

\$67,500.00 - Twenty-Eight Members of the National Entrepreneurship Education Consortium, National Entrepreneurship Education Consortium, Center on Education and Training for Employment (R. D. Ryan), 1 July 1989 through 30 June 1990. (Project 767682 - Continuation)

\$53,402.00 - Kuwait Government, Safat, Kuwait, Establishment of a DACUM Center in Kuwait, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 31 August 1990. (Project 768485 - New)

\$37,500.00 - Government of Turkey, Ankara, Turkey, Feasibility Study for Socioeconomic Development for the City of Dinar, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 September 1990. (Project 768429 - New)

\$36,383.00 - The University of Georgia, Athens, Georgia, Leadership Infusion of Technology in Mathematics and Its Use in Science (LITMUS), Department of Mathematics (J. E. Schultz), 1 May 1990 through 30 April 1991. (Project 768431 - New)

\$35,992.00 - The Juvenile Diabetes Foundation International, New York, New York, Cellular Mechanism of the Diabetic Choroidal Repair Process Following Photocoagulation, Department of Ophthalmology (A. J. Fryczkowski), 1 September 1990 through 31 August 1991. (Project 767655 - Continuation)

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$33,333.00 - Klingenstein Fund, New York, New York, Klingenstein Fellowship in Neuroscience, Oral Biology (W. E. Thomas), 1 July 1990 through 30 June 1991. (Project 766717 - Continuation)

\$32,000.00 - Ohio Corn Marketing Program Board, Marion, Ohio, The Ohio Grain Quality Initiative, Department of Agronomy - OARDC (R. C. Pratt), 1 July 1990 through 30 June 1991. (Project 768450 - New)

\$30,470.00 - American Heart Association, Dallas, Texas, Cardiovascular Effects of  $B_{\pm}$  Kinins, Department of Physiology (P. E. Ward), 1 July 1990 through 30 June 1991. (Project 768449 - Continuation)

\$30,000.00 - C. F. Kettering Foundation, Dayton, Ohio, A Research Program on Sustainable Agricultural Systems, Department of Entomology - OARDC (B. R. Stinner), 1 August 1990 through 31 July 1992. (Project 768402 - New)

\$28,000.00 - Muscular Dystrophy Association, New York, New York, Characterization of the Mutant Gene of the Wobbler Mouse, Department of Neurology (J. R. Mendell and X. S. Jiang), 1 July 1990 through 30 June 1991. (Project 768312 - Continuation)

\$26,656.00 - Rutgers University, Piscataway, New Jersey, The Classification of the Finite Simple Group, Department of Mathematics (R. M. Solomon), 1 December 1990 through 30 November 1991. (Project 767618 - Continuation)

\$25,000.00 - American Otological Society, Inc., Minneapolis, Minnesota, Otosclerosis: Morphological, Histochemical, and Cell Culture Studies, Department of Otolaryngology (D. J. Lim), 1 July 1990 through 30 June 1991. (Project 766196 - Continuation)

\$25,000.00 - Ohio Aerospace Institute, Brookpark, Ohio, Development of Ohio Aerospace Institute, Department of Aeronautical and Astronautical Engineering (P. J. Turchi), 1 January 1990 through 30 June 1990. (Project 768400 - New)

\$24,832.00 - Upper Arlington City Schools, Upper Arlington, Ohio, Upper Arlington-Ohio State Middle School Project, School of Health, Physical Education, and Recreation (M. O'Sullivan), 27 August 1990 through 7 June 1991. (Project 767892 - Continuation)

\$23,068.00 - American Federation for Aging Research, Inc., New York, New York, Disinhibition of Cortical Cholinergic Activity and Attenuation of Age-Related Attentional Impairments, Department of Psychology (M. Sarter), 1 July 1990 through 30 June 1991. (Project 768463 - New)

\$20,000.00 - American Heart Association, Dallas, Texas, Asians: Love Your Hearts!, Department of Preventive Medicine (M. S. C. Chen), 1 July 1990 through 30 June 1991. (Project 768460 - New)

\$16,000.00 - Eight Members of the National Alliance of Community and Technical Colleges, National Alliance of Community and Technical Colleges, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768414 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$15,000.00 - Arthritis Foundation - Central Ohio Chapter, Columbus, Ohio, Immunoregulation and Autoimmunity, Department of Internal Medicine (R. L. Whisler), 1 April 1990 through 31 December 1991. (Project 760620 - Continuation)

\$14,800.00 - Muskingum County Board of Mental Retardation and Developmental Disabilities, Zanesville, Ohio, Graduate Research Associate Internship Training, Nisonger Center (T. Fish and D. Hammer), 1 September 1990 through 31 August 1991. (Project 768459 - Continuation)

\$14,431.00 - Ohio Council on Economic Education, Columbus, Ohio, Approaching a Comprehensive Institutional Plan for Western Iowa Tech Community College: Building a New Siouxland, Center on Education and Training for Employment (R. D. Ryan), 1 June 1990 through 30 June 1991. (Project 768428 - New)

\$14,412.00 - Columbus State Community College, Columbus, Ohio, Intramural/Recreation and Athletic Training/Administration Program, School of Health, Physical Education, and Recreation (W. A. Sutton), 1 July 1990 through 30 June 1991. (Project 767549 - Continuation)

\$12,000.00 - National Pork Producers Council, Des Moines, Iowa, Efficacy of Dietary Vitamin E Supplementation on Long-Term Sow Reproductive Performance and the Subsequent Mammary Transfer of Alpha-Tocopherol to Nursing Piglets, Department of Animal Science - OARDC and Department of Animal Science (D. C. Mahan), 1 July 1990 through 30 June 1991. (Project 768404 - New)

\$9,500.00 - Ohio Corn Marketing Program Board, Marion, Ohio, Maximizing the Use of Corn Grain in Feedlot Cattle Diets, Department of Animal Science - OARDC (S. C. Loerch), 1 July 1990 through 30 June 1991. (Project 768470 - New)

\$9,000.00 - Muscular Dystrophy Association, New York, New York, Myoblast Transfer: Controlled Trial of Immunosuppression, Department of Neurology (J. R. Mendell), 1 July 1990 through 30 June 1991. (Project 768395 - New)

\$8,000.00 - Pacific Bell Directory, San Francisco, California; Sarasota City Vocational Technical Center, Sarasota, Florida; South Dakota Department of Education, Pierre, South Dakota; and Ohio Department of Education, Columbus, Ohio, National Entrepreneurship Education Consortium, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768452 - Continuation)

\$5,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Expression of Epidermal Growth Factor and Insulin Receptors in Placentae of Pregnancies Complicated by Maternal Diabetes: A Pilot Study, Department of Obstetrics and Gynecology (D. A. Kniss and M. B. Landon), 1 July 1990 through 30 June 1991. (Project 768436 - New)

\$3,540.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 March 1990 through 30 June 1990. (Project 765208 - Continuation)

September 7, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Other Non-Federal Research Contracts/Grants (contd)

\$3,000.00 - Bowling Green State University, Bowling Green, Ohio, On-Site Instruction for Vocational Agriculture Instructors in the Northwest Region, Department of Agricultural Education (R. K. Barrick), 1 July 1989 through 30 June 1990. (Project 767049 - Continuation)

\$2,800.00 - American College of Obstetricians and Gynecologists, Philadelphia, Pennsylvania, Clinical Trials in Gynecologic Oncology, Department of Obstetrics and Gynecology (L. J. Copeland), 1 July 1989 through 30 April 1991. (Project 767936 - Continuation)

\$2,500.00 - South Dakota Curriculum Center, Pierre, South Dakota, National Consortium of State Career Guidance Supervisors, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768406 - Continuation)

\$666.66 - Egyptian Government, Washington, D.C., Cultural and Educational Bureau -- Peace Fellowship Program, Department of Biochemistry (E. J. Behrman), 28 January 1990 through 31 August 1990. (Project 768116 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS

\$ 3,523,412.66

### ENGINEERING EXPERIMENT STATION

#### Industry and Other Sponsored Research and Development

\$199,732.00 - from E.I. DuPont Co., Wilmington, Delaware, for "Permeation of Volatile and/or Corrosive Substances through Polymer Films," under the direction of the department of Chemical Engineering for the period June 1, 1990 through June 30, 1992. (529852)

\$123,400.00 - from EMTEC, Kettering, Ohio, for "A Better Test to Evaluate Sheet Formability," under the direction of the department of Materials Science and Engineering for the period July 1, 1990 through June 30, 1992. (312543)

\$90,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Joining Advanced Materials for High Temperature Application," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529384)

\$80,000.00 - from various industry for membership in the Compact Radar Cross Section Measurement Ranges Research and Development Consortium under the direction of the department of Electrical Engineering. (312884)

\$78,342.00 - from Nissan Motor Company, Ltd., Kanagawa, Japan, for "Optimal Design of Automotive Transmission for Reduced Noise -- Phase 1: Neutral Rattle Study," under the direction of the department of Mechanical Engineering for the period June 15, 1990 through December 31, 1990. (529851)

\$74,946.00 - additional funding from General Dynamics, Fort Worth, Texas, for "Development of Radar Target Identification Algorithms," under the direction of the department of Electrical Engineering for the period August 1, 1989 through December 31, 1990. (529819, Ext. 1)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**Industry and Other Sponsored Research and Development (contd)**

\$64,300.00 - from GE Aircraft Engines, Cincinnati, Ohio, for "LM 1600 Bravo/Romeo Project," under the direction of the department of Aeronautical and Astronautical Engineering for the period July 15, 1990 through December 31, 1990. (312545)

\$60,000.00 - additional funding from EPRI, Palo Alto, California, for "PWSCC Crack Growth of Alloy 600 Tubing," under the direction of the department of Materials Science and Engineering for the period April 24, 1987 through April 14, 1991. (312412, Ext. 5)

\$55,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Thermal/Stress Modeling of Plastic Welding," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529385)

\$55,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Creep of Welded Austenitic Stainless Steels," under the direction of the department of Materials Science and Engineering for the period July 1, 1990 through June 30, 1991. (529386)

\$50,000.00 - from various industry for Associate Membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$50,000.00 - from Edison Welding Institute, Columbus, Ohio, for "NDE of Composite Materials and Welds," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529388)

\$50,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Active Metal Brazing of CMCs," under the direction of the department of Materials Science and Engineering for the period July 1, 1990 through June 30, 1991. (529386)

\$45,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Characterization of Polymers in the Vicinity of Welded Joints," under the direction of the department of Chemical Engineering for the period July 1, 1990 through June 30, 1991. (529390)

\$40,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Weldability Test Techniques," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529383)

\$40,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Ultrasonic Strength Assessment of Adhesive and Welded Polymer Joints," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529381)

\$40,000.00 - from Edison Welding Institute, Columbus, Ohio, for "NDE of Advanced Materials," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529389)

\$39,999.00 - from The Metals Properties Council, Inc., New York, New York, for "Flaw Growth in a High Temperature, High Pressure Petroleum Industry Hydrogen Processing Vessel," under the direction of the department of Materials Science and Engineering for the period July 1, 1990 through June 30, 1991. (529855)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**Industry and Other Sponsored Research and Development (contd)**

\$33,930.00 - from Amoco Chemical Company, Chicago, Illinois, for "Amoco Chemical/Ohio State Collaboration on Expert Systems Project," under the direction of the department of Chemical Engineering for the period July 1, 1990 through June 30, 1991. (312544)

\$25,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Penetration Studies in High Radiance Laser Welding," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529382)

\$25,000.00 - from various industry for membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$25,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Full Penetration in Precision Mechanical GTAW," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529393)

\$25,000.00 - from Edison Welding Institute, Columbus, Ohio, for "An Investigation of Weld Metal Microstructure Using TEM," under the direction of the department of Materials Science and Engineering for the period July 1, 1990 through June 30, 1991. (529387)

\$20,000.00 - from Jet Electronics and Technology, Inc., Grand Rapids, Michigan, for "Wind Tunnel Test of the Maris/Worden Stall Warning System," under the direction of the department of Aeronautical and Astronautical Engineering for the period June 15, 1990 through July 31, 1990. (312542)

\$10,800.00 - from City of Springfield, Springfield, Ohio for "Intern for City of Springfield," under the direction of the department of City and Regional Planning for the period July 2, 1990 through June 28, 1991. (529853)

\$10,000.00 - from Daimler Benz, Germany, for "MODZILLA Daimler Benz," under the direction of the department of Electrical Engineering for the period August 1, 1990 through July 31, 1991. (312548)

\$9,700.00 - in additional funding from Ford Motor Company, Dearborn, Michigan, for "Noise and Transmission Error Testing," under the direction of the department of Mechanical Engineering for the period March 1, 1988 through December 31, 1990. (312453, Ext. 2)

\$7,000.00 - from various industry for membership in the Gear Research Lab, under the direction of the department of Mechanical Engineering. (529735)

\$6,100.00 - from various industry for seven development projects in three areas of the College.

\$6,000.00 - from various industry for affiliate membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)



## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### ENGINEERING EXPERIMENT STATION (contd)

#### Industry and Other Sponsored Research and Development (contd)

\$6,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Brazing Aluminum Nitride and Silicon Carbide to Steel," under the direction of the department of Materials Science and Engineering for the period June 1, 1990 through October 1, 1990. (312547)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH

\$1,445,249.00

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

#### Establishment of Named Funds

##### The Gustavus and Sidney L. Basch Memorial Fund

The Gustavus and Sidney L. Basch Memorial Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estate of Gustavus Basch (B.A. '26).

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to create and maintain a library for Japanese and Russian books and literature for language and cultural studies. Expenditures from the fund shall be authorized by the Director of The Ohio State University Libraries.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### The Mildred M. Hugger Medical Research Fund

The Mildred M. Hugger Medical Research Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Mildred M. Hugger, New York, New York.

All gifts are to be invested in the University's Permanent Endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Mildred M. Hugger Medical Research Fund (contd)**

The annual income shall be reinvested with no income or principal being distributed until December 23, 2013 (25 years after the donor's death). After such 25 years, one-half of the annual income shall be used for research projects. The other one-half of the annual income shall continue to be reinvested until the value of the fund reaches \$1,000,000.00. Thereafter, the entire income may be used for research projects. The income may be used for research in the field of cardiac and vascular diseases and diseases of the eye, particularly cataracts, as approved by the Dean of the College of Medicine in consultation with the chairpersons of the appropriate departments. As appropriate, the results of the research supported by this fund shall be published.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Charles E. Thorne Graduate Fellowship Fund**

The Charles E. Thorne Graduate Fellowship Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Virginia Ryan, in honor of her grandfather, Charles E. Thorne, who served as the first director of the Ohio Agricultural Experiment Station (now the Ohio Agricultural Research and Development Center at Wooster, Ohio).

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support fellowships for students who will conduct their thesis research on projects administered by the Ohio Agricultural Research and Development Center. Selection of the awardees and the amount to be awarded to each student shall be determined under direction of the Director of the Ohio Agricultural Research and Development Center, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the Director of the Ohio Agricultural Research and Development Center in order to carry out the desire of the donor.

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Dr. Warren G. Morris Memorial Fund**

The Dr. Warren G. Morris Memorial Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Ruth Penrod Morris (Bachelor of Science in Optometry '43) in memory of her husband, Warren G. Morris (Bachelor of Science in Optometry '49) of Maumee, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support pediatric optometry at the direction of the Dean of the College of Optometry, in consultation with the senior faculty member in the field of pediatric optometry.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Mary E. Alford Cancer Research Endowment Fund**

The Mary E. Alford Cancer Research Endowment Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from John W. Alford, of Newark, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support cancer research in The Arthur G. James Cancer Hospital and Research Institute, as approved by the Director of The Arthur G. James Cancer Hospital and Research Institute and the Vice President for Health Services.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Lydia D. Bruny Memorial Scholarship Fund**

The Lydia D. Bruny Memorial Scholarship Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from family, friends and colleagues in honor of Lydia D. Bruny's career as a Fairfield County and Perry County Home Economics Extension Agent, as well as her years as an active 4-H member in Guemsey County.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships to undergraduate students from Guemsey, Fairfield, or Perry Counties who are in the College of Agriculture or the College of Human Ecology. Criteria for selection shall include outstanding scholastic achievement, demonstrated leadership potential through extracurricular activities, and financial need. Preference will also be given to those students who have a strong background in 4-H. If no undergraduate student qualifies, it may be awarded to a graduate student preparing for a career in the Cooperative Extension Service. All awards shall be made in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The William "Bill" and Nellie Draut Scholarship Fund**

The William "Bill" and Nellie Draut Scholarship Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Florence I. Draut (B.S.H.E. '39) in honor of her parents, William and Nellie Draut.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships to students enrolled in Home Economics Education. First priority should be given to students from Butler County, Ohio. If no students from Butler County qualify for the scholarship, second priority shall be given to students from Ohio. Selection shall be made by the appointees of the Dean of the College of Human Ecology, in consultation with the University Committee on Student Financial Aid.

September 7, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The William "Bill" and Nellie Draut Scholarship Fund (contd)**

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Hubbell Magnuson Ophthalmology Education Fund**

The Robert Hubbell Magnuson Ophthalmology Education Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Robert H. Magnuson, (B.A. '38, M.D. '41) of Columbus, Ohio.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support projects and activities in the Department of Ophthalmology within the College of Medicine that would lead to significant improvement and excellence in the department's program of education and research.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

### **THE OHIO STATE UNIVERSITY FOUNDATION**

#### **Approval of Description and Establishment of Fund**

##### **The Ford Motor Company Chair in Electromechanical Systems Fund**

The Ford Motor Company Chair in Electromechanical Systems Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation from Ford Motor Company Fund of Dearborn, Michigan.

Income provided by the Foundation shall be distributed to the College of Engineering to be used to promote and support teaching and research in Electromechanical Systems in the College of Engineering. The goal of the fund is to establish the Ford Motor Company Chair in Electromechanical Systems with an endowed principal of at least \$1.25 million. The annual income shall be used to support the search for and the maintenance of the Ford Motor Company Chair in Electromechanical Systems. Until the fund reaches a minimum of \$1.25 million, the

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY FOUNDATION (contd)**

**Approval of Description and Establishment of Fund (contd)**

**The Ford Motor Company Chair in Electromechanical Systems Fund (contd)**

Dean of the College of Engineering shall authorize the use of the annual earnings of the fund. Any and all unused income and additional gifts shall be reinvested in the principal of the fund. When the Ford Motor Company Professor has been appointed, the annual income shall be used to provide salary and program support for one joint appointment in both the Department of Electrical Engineering and the Department of Mechanical Engineering of the College of Engineering. Appointment to the Ford Motor Company Chair shall be recommended by the Dean of the College of Engineering to the Provost and approved by the Board of Trustees. The chair holder shall report annually to the Ford Motor Company Fund on the goals, objectives, and plans for the chair in the upcoming academic year. These yearly reports will describe also the use of all fund earnings, past and projected, over the same two-year period.

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-24

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808**

Synopsis: The Fiscal Affairs Committee recommended the authorization to employ architects/engineers and request construction bids for projects for which funds have been appropriated in Substitute House Bill 808.

WHEREAS Substitute House Bill 808 enacted by the 118th General Assembly made capital appropriations for the following projects at The Ohio State University's Columbus and Regional Campuses for the 1990-1992 biennium; and

WHEREAS the University desires to move forward with the following five projects authorized by Substitute House Bill 808:

Lazenby Hall - Third Floor Renovation  
Goss Laboratory Renovation - Retrovirus Containment  
164 West 19th Avenue Building - Elevator  
OARDC - Fisher Auditorium Roof  
OARDC - Physical Plant Building Roof

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for these projects and that the fees for these services will be negotiated between the firms selected and the Department of Administrative Services, Division of Public Works, or the University, as appropriate; and

September 7, 1990 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808 (contd)**

BE IT FURTHER RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University and State of Ohio procedures, and if satisfactory bids are received, to recommend the award of contracts to the Department of Administrative Services, Division of Public Works, or to award contracts, with all action to be reported to this Board at the appropriate time.

Upon motion of Mr. Teaford, seconded by Mr. Celeste, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XV for background material and maps, page 327.)

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-25

**OARDC - DAIRY MATERNITY AND CALF BARN REPLACEMENT  
MCCRACKEN POWER PLANT - WATER TREATMENT FACILITIES  
MCCRACKEN POWER PLANT - REBUILD HOT WATER HEATING SYSTEMS  
MCCRACKEN POWER PLANT - REPLACEMENT OF STEAM LINES**

Synopsis: The Fiscal Affairs Committee recommended the authorization to employ architects/engineers and request construction bids for the OARDC - Dairy Maternity and Calf Barn Replacement, McCracken Power Plant - Water Treatment Facilities, McCracken Power Plant - Rebuild Hot Water Heating Systems, and McCracken Power Plant - Replacement of Steam Lines projects.

WHEREAS the OARDC - Dairy Maternity and Calf Barn Replacement will reconstruct buildings and associated systems destroyed in a fire on April 11, 1990; and

WHEREAS the total estimated cost of this project is \$800,000.00, with the estimated construction cost being \$640,000.00, with funding provided from insurance proceeds and University funds; and

WHEREAS the McCracken Power Plant - Water Treatment Facilities will provide for utilities replacement to improve the water treatment at the Power Plant and to meet current EPA standards; and

WHEREAS the total estimated cost of this project is \$2,572,000.00, with the estimated construction cost being \$2,058,000.00, with funds provided from University bond proceeds; and

WHEREAS the McCracken Power Plant - Rebuild Hot Water Heating System will replace the old, deteriorated hot water heating system which services 56 central campus buildings; and

WHEREAS the total estimated cost of this project is \$515,000.00, with the estimated construction cost being \$410,000, with funds provided from University bond proceeds; and

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**OARDC - DAIRY MATERNITY AND CALF BARN REPLACEMENT  
MCCRACKEN POWER PLANT - WATER TREATMENT FACILITIES  
MCCRACKEN POWER PLANT - REBUILD HOT WATER HEATING SYSTEMS  
MCCRACKEN POWER PLANT - REPLACEMENT OF STEAM LINES (contd)**

WHEREAS the McCracken Power Plant - Replacement of Steam Lines will replace the deteriorated conduit system which supplies steam to Newton Hall, Graves Hall, and Prior Health Sciences Library; and

WHEREAS the total estimated cost of this project is \$295,000.00, with the estimated construction cost being \$236,000.00, with funds provided from University bond proceeds:

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for these projects and that the fees for these services be negotiated between the firms selected and the University; and

BE IT FURTHER RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to award contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Teaford, seconded by Mr. Wexner, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XVI for background material and maps, page 335.)

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 91-26

**AMERIFLORA '92 BIOCONTAINMENT FACILITY  
BRIDGE AND STREET IMPROVEMENTS  
(FAWCETT CENTER FOR TOMORROW LOOP ROAD)  
LIMA - PARKING LOT LIGHTING UPGRADE  
MANSFIELD - ROADWAY AND PARKING LOT REPAIRS  
NORTH ATHLETIC COMPLEX PLAYING FIELDS  
COFFEY ROAD INTRAMURAL FIELDS**

Synopsis: The Fiscal Affairs Committee recommended the Report of Award of Contracts and the Establishment of Contingency Funds for the AmeriFlora '92 Biocontainment Facility, Bridge and Street Improvements (Fawcett Center for Tomorrow Loop Road), Lima - Parking Lot Lighting Upgrade, Mansfield - Roadway and Parking Lot Repairs, North Athletic Complex Playing Fields, and Coffey Road Intramural Fields projects.



**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**AMERIFLORA '92 BIOCONTAINMENT FACILITY  
BRIDGE AND STREET IMPROVEMENTS  
(FAWCETT CENTER FOR TOMORROW LOOP ROAD)  
LIMA - PARKING LOT LIGHTING UPGRADE  
MANSFIELD - ROADWAY AND PARKING LOT REPAIRS  
NORTH ATHLETIC COMPLEX PLAYING FIELDS  
COFFEY ROAD INTRAMURAL FIELDS (contd)**

WHEREAS resolutions adopted by the Board of Trustees on September 2, 1988, and May 4, 1989, authorized the President and/or Vice President for Business and Administration to request bids in accordance with State of Ohio and University procedures, and if satisfactory bids were received, to recommend award of contracts to the Department of Administrative Services, Division of Public Works for the following projects: AmeriFlora '92 Biocontainment Facility, Bridge and Street Improvements (Fawcett Center for Tomorrow Loop Road), Lima - Parking Lot Lighting Upgrade, and Mansfield - Roadway and Parking Lot Repairs; and

WHEREAS resolutions adopted by the Board of Trustees on August 23, 1989, and October 6, 1989, authorized the President and/or Vice President for Business and Administration to request bids in accordance with established University procedures, and if satisfactory bids were received, to award contracts for the following projects: North Athletic Complex Playing Fields and Coffey Road Intramural Fields:

**NOW THEREFORE**

BE IT RESOLVED, That pursuant to the actions previously authorized by this Board and upon the recommendation of the Fiscal Affairs Committee, the Report of Award of Contracts and Establishment of Contingency Funds for the AmeriFlora '92 Biocontainment Facility, Bridge and Street Improvements (Fawcett Center for Tomorrow Loop Road), Lima - Parking Lot Lighting Upgrade, Mansfield - Roadway and Parking Lot Repairs, North Athletic Complex Playing Fields, and Coffey Road Intramural Fields projects are hereby accepted.

Upon motion of Mr. Teaford, seconded by Mr. Wexner, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XVII for background material, tabulation of bids and maps, 339.)

Mr. Nichols:

I might mention two comments with regard to this contract. An estimated \$750,000 was saved on this contract because over a period of several years we accumulated dirt on that site. As many of you will recall, we called it Dick Jackson's dirt pile. And as a result, we did not have to buy any dirt and have it moved to the site.

And then second of all, I think there should be some recognition of George Igel Company who, earlier last fall, donated the time and equipment to move dirt at no cost to the University and also did some grading as part of that project. And they were very kind to have done that and we are very appreciative of that.

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September 7, 1990 meeting, Board of Trustees

**LEASE OF LAND AND RESEARCH AGREEMENT**

Resolution No. 91-27

**133.86 ACRES IN PIKE COUNTY, OHIO, FOR THE  
AGRICULTURAL MANAGEMENT SYSTEMS EVALUATION AREA PROJECT**

Synopsis: The Fiscal Affairs Committee recommended the approval of the lease of 133.86 acres in Pike County for an agricultural research program.

WHEREAS The Ohio State University, as a land-grant institution is committed to agricultural research and the University's College of Agriculture, including the Ohio Agricultural Research and Development Center and the Cooperative Extension Service, is involved in a collaborative effort with State and Federal agencies to conduct agricultural research to evaluate economically feasible agricultural management systems that minimize contamination of water resources from agricultural pesticides and fertilizers; and

WHEREAS the University has received approximately \$3 million through five-year Federal and State grants for this research; and

WHEREAS the site selected for this research program is 133.86 acres in Pike County, Ohio, owned by Helen J. Vanmeter, John I. Vanmeter, and Emma C. Vanmeter, and the owners have agreed to lease this property to the University for this purpose; and

WHEREAS the appropriate University offices are in agreement as to the desirability of leasing this property;

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to lease this property from Helen J. Vanmeter, John I. Vanmeter, and Emma C. Vanmeter upon such terms and conditions as are deemed to be in the best interest of the University.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XVIII for background material and map, page 357.)

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**SALE OF REAL PROPERTY**

Resolution No. 91-28

**0.83 ACRE ON SAWMILL ROAD  
COLUMBUS, OHIO**

Synopsis: The Fiscal Affairs Committee recommended the approval of the sale of 0.83 acre on Sawmill Road, Columbus, Ohio.

**SALE OF REAL PROPERTY (contd)**

**0.83 ACRE ON SAWMILL ROAD  
COLUMBUS, OHIO (contd)**

WHEREAS The Ohio State University owns a tract of land consisting of approximately 0.72 acre forming part of the current Sawmill Road and a tract of unimproved land consisting of approximately 0.11 acre running along the east side of Sawmill Road north of the intersection of Case Road; and

WHEREAS the City of Columbus desires to purchase the 0.11 acre tract for the widening of Sawmill Road as a part of the City's Bethel Road Improvement Project, Phase III; desires a temporary construction easement for a strip of land adjacent on the east to the 0.11 acre; and further desires fee simple ownership of the existing 0.72 acre tract forming part of the current roadbed of Sawmill Road; and

WHEREAS an appraisal done for the City and a review appraisal done for the University placed the total value of these takings at \$2,310.00, and the City is willing to pay this amount; and

WHEREAS the appropriate University offices have determined that this sale is in the best interest of the University;

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to sell all of the University's right, title, and interest in this property, for no less than the appraised value, upon such terms and conditions as are deemed to be in the best interest of the University, subject to authorization by the Ohio General Assembly and in accordance with the procedures and requirements of the Ohio Department of Administrative Services.

Upon motion of Mr. Teaford, seconded by Mr. Celeste, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XIX for background material and map, page 361.)

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Mr. Scott:

Madam Chair, Mr. President, I would like to put this in perspective for everyone. I think it is a unique opportunity for us and, more importantly, it is a real achievement at a time when in most areas employers, in general, and universities in particular, are having a great deal of difficulty containing their benefits costs.

By way of background, you may recall that over the last two years members of the administration and the University community have undertaken several reviews of our costs associated specifically with our medical care. As a result of those studies, last May the Board of Trustees reviewed recommendations and approved a series of actions that I think brings us to this recommendation today. Specifically, the Board authorized the administration to put in place a series of co-payments, deductibles, and premium sharing elements for our health care programs for faculty/staff and for individuals who were part of the bargaining units, effective July 1, 1989. We have negotiated agreements with each of the bargaining groups. The Ohio Nurses

September 7, 1990 meeting, Board of Trustees

Mr. Scott: (contd)

Association was brought into the premium sharing program effective January 1, 1990, and the Fraternal Order of Police was brought in in more recent months. And as part of our negotiated contract with Communication Workers of America, we stipulated that they would not be required to share in any premium payments for health and medical benefits prior to June 30, 1990. So, all groups are now participating. There are roughly 15,000 individuals.

For your frame of reference, I should tell you a little about what those premiums are. For the health care program, total premiums for a single person is \$106.50. Individuals are asked, if they have single coverage, to contribute \$19.17. That is less than what we proposed to the Board last June. Two person coverage is \$213.00, with the individual share being \$38.34. The total cost for family coverage is \$333.00, with the individual share being \$59.94.

As a result of a combination of good fortune and circumstances, we have had a tremendous change in the mix, in terms of users. The physicians have attempted to be helpful in looking at their practices in terms of procedures, and we have taken measures to make sure that the costs of drugs are under control. For a range of reasons our costs seem to be holding, despite the fact that nationally the inflation index in the health care area is running in double digits -- about 10 percent.

In addition to the premiums, we indicated that as a part of the industry standard requirement we had to have a reserve. Our reserve has reached a level now where we believe that we will have in excess of our needs once again. So this proposal before you is to establish an additional premium holiday for the faculty and staff of this University for December 1990. As you know, you approved earlier a premium holiday for September 1990, meaning explicitly that the University and all participating faculty/staff members will not contribute to the cost of this program. We are asking at this time that we have one additional premium holiday for December. We believe this will bring our reserves in line. Assuming that our costs hold and we do not see an escalation in our health care premiums, then my sense is that next year as part of the President's budget -- and we have talked about this -- there will be a general review of all the premium rates. But again, with the reserve, that gives us an opportunity to have flexibility without coming back to the Board asking that we increase individual premium rates.

Amb. Wolf:

What is the total amount of the waiver?

Mr. Scott:

Roughly \$3 million. Once we subtract the September premium holiday, we will have roughly \$14 or \$15 million. We think we should have about \$11 or \$12 million. So, the \$3 million for December will bring us down to \$11 or \$12 million.

Mrs. Bowser:

So, it is \$3 million a month?

September 7, 1990 meeting, Board of Trustees

Mr. Scott:

Yes.

Amb. Wolf:

That is \$36 million a year, and you have \$11 or \$12 million reserved, which is one-third.

Mr. Scott:

Yes. That is running a little less than we had anticipated. I think one of the reasons is that roughly 2,000 people retired over the last 2 or 3 years, and we anticipate that another 400 to 800 will retire in the next 15 months. So the demographics have changed rather dramatically, and utilization patterns have also changed as indicated. There have also been changes made by the physicians. So there has been a combination of good successes here, but I certainly don't want to leave anyone with the impression that Ohio State has found the secret to containing health care costs.

Amb. Wolf:

Madison, thanks very much. That was a real fine report, very clear, very thorough. We are very fortunate in having you monitor that phase of our program, among other things.

#### **PREMIUM HOLIDAY**

Resolution No. 91-29

**Synopsis:** The Fiscal Affairs Committee recommended the approval of a second premium holiday for the month of December.

WHEREAS as a result of favorable financial experience in the University's medical care program the Board of Trustees at its May 3, 1990 meeting, approved a premium holiday for the month of September; and

WHEREAS the recent reversal in medical care cost escalation continues to hold firm; and

WHEREAS it is estimated that should the current trend continue the University's health care insurance reserve will still be somewhat in excess of standard industry requirements:

NOW THEREFORE

BE IT RESOLVED, That in accordance with the recommendation of President Gee, the Vice President for Personnel Services is hereby authorized and directed to implement a second health care premium holiday for the month of December 1990.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 7, 1990 meeting, Board of Trustees

**REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS**

Resolution No. 91-30

Synopsis: The Fiscal Affairs Committee recommended the approval for reimbursement of expenses for designated administrative officials.

WHEREAS the Fiscal Affairs Committee has authorized the payment of expenses for designated administrative officials; and

WHEREAS it is deemed in the best interest of the University for the Fiscal Affairs Committee to provide from the unrestricted gifts to the University Endowment Fund on an appropriate basis, to the President and designated University officials, reimbursement for expenditures which are directly and necessarily related to the performance of their assigned responsibilities and in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the Fiscal Affairs Committee be authorized to provide reimbursement to designated University officials from unrestricted gifts to the University Endowment Fund.

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**HISTORY OF JENNINGS YEARS AS PRESIDENT**

Resolution No. 91-31

Synopsis: The Fiscal Affairs Committee recommended authorization for preparation of History of Jennings Years as President.

WHEREAS it has been traditional that a history of the years an individual spends as President of the University is prepared upon the resignation of that President; and

WHEREAS President Edward H. Jennings has resigned from the Presidency on August 31, 1990:

NOW THEREFORE

BE IT RESOLVED, That the Secretary of the Board of Trustees be authorized to engage the services of a notable historian to prepare a History of the Jennings Years at an appropriate time, and that the Fiscal Affairs Committee of the Board of Trustees authorizes the expenditure from the unrestricted gifts to the University Endowment Fund of an amount sufficient to finance this project.

Upon motion of Mr. Teaford, seconded by Mr. Wexner, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PORTRAIT OF EDWARD H. JENNINGS**

Resolution No. 91-32

**Synopsis:** The Fiscal Affairs Committee recommended authorization for portrait of President Edward H. Jennings.

WHEREAS it has been traditional that an oil portrait of the President of the University is presented for appropriate display by the University at the time said President relinquishes his office; and

WHEREAS President Edward H. Jennings has resigned from the Presidency on August 31, 1990:

NOW THEREFORE

BE IT RESOLVED, That the Secretary of the Board be authorized to commission an outstanding portrait painter to paint a portrait of Edward H. Jennings and that the Fiscal Affairs Committee of the Board of Trustees authorizes the expenditure from the unrestricted gifts to the University Endowment Fund to be used to finance this project.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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Mrs. Bowser:

Before I announce the meeting next month, I would like to remind everyone, not that I need to, but our first football game is tomorrow and Joel is already promoting the Rose Bowl. So, you can see that his thoughts are very optimistic.

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Thereupon the Board adjourned to meet Thursday, October 4, and Friday, October 5, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Attest:

Madison H. Scott  
Secretary

Shirley D. Bowser  
Chairperson

Page 288 Blank



APPENDIX XI

THE OHIO STATE UNIVERSITY ENDOWMENT SUMMARY  
August 17, 1990

Presented to the Investments Committee and  
Adopted by the Board of Trustees September 7, 1990  
(See page 199)

**THE OHIO STATE UNIVERSITY**  
**ENDOWMENT FUND**

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**ENDOWMENT SUMMARY**

**August 17, 1990**

**Office of the Treasurer**



# The Ohio State University Endowment Fund

## Equity Market Information

### MARKETS DIARY

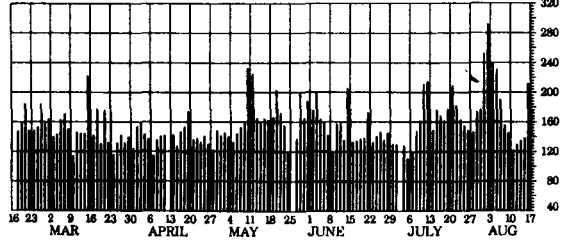
8/17/90

#### STOCKS Dow Jones Industrial Average

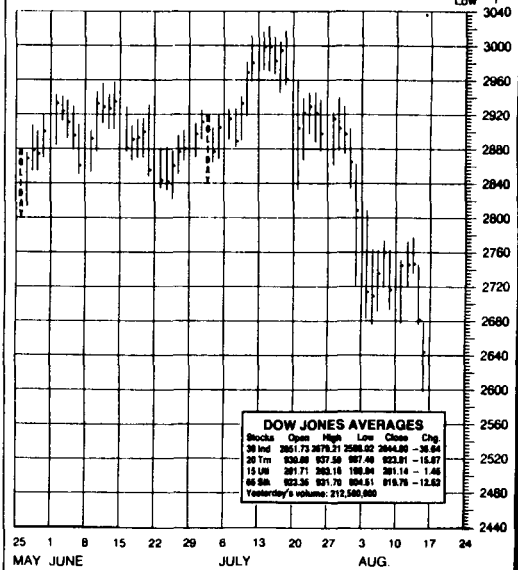


INDEX	CLOSE	NET CHNG	PCT CHNG	12-MO HIGH	12-MO LOW	12-MO CHNG	PCT	FROM 12/31	PCT
DJIA	2844.80	-36.64	-1.37	2999.75	2543.24	-43.17	-1.61	-108.40	-3.94
DJ Equity	383.74	-4.42	-1.43	342.67	300.69	-21.12	-6.50	-26.11	-7.92
S&P 500	327.83	-4.56	-1.37	368.95	322.96	-18.20	-5.26	-25.57	-7.24
Nasdaq Comp.	393.49	-8.78	-2.18	485.73	393.49	-68.48	-14.82	-61.33	-13.48
London (FT 100)	2176.9	-45.2	-2.03	2463.7	2062.1	-198.2	-8.34	-245.8	-10.15
Tokyo (Nikkei)	26786.72	-762.72	-2.77	30915.87	26176.43	-8276.42	-23.60	-12129.15	-31.17

#### NYSE Volume



#### DOW JONES 30 INDUSTRIALS



DOW JONES AVERAGES					
Stocks	Open	High	Low	Close	Chg
30 Ind	2851.73	2879.21	2586.02	2844.80	-36.64
30 Trn	926.08	927.58	887.48	923.91	-1.57
15 UN	281.71	282.18	188.94	281.14	-1.48
65 Sm	923.36	921.78	884.51	916.78	-12.52

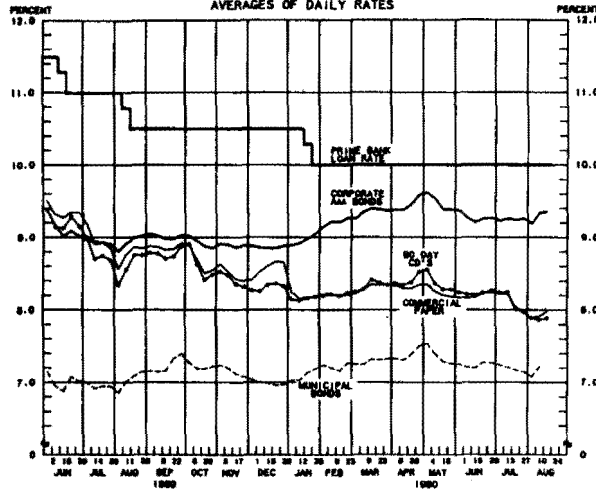
Yesterday's volume: 212,588,880

# The Ohio State University Endowment Fund

## Selected Yield and Interest Rates

### YIELDS ON SELECTED SECURITIES

AVERAGES OF DAILY RATES



LATEST DATA PLOTTED ARE AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING: AUGUST 17, 1990.

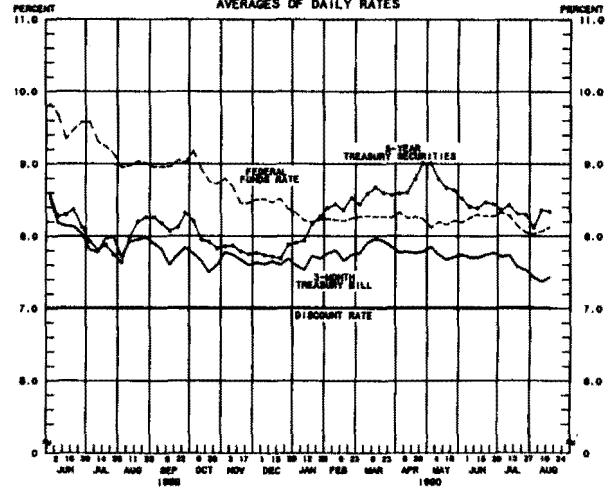
1990	90 DAY T-BILL	90-DAY COMMERCIAL PAPER	90-DAY TREASURY BILLS	CORPORATE AAA BONDS	CORPORATE BAA BONDS	MUNICIPAL BONDS
JUNE 1	8.28	8.18	8.01	8.38	10.28	7.20
8	8.22	8.17	7.95	8.27	10.21	7.21
15	8.21	8.16	7.90	8.21	10.19	7.20
22	8.24	8.24	8.03	8.26	10.24	7.28
29	8.27	8.25	8.04	8.27	10.25	7.27
JULY 6	8.24	8.23	7.98	8.23	10.20	7.24
13	8.23	8.23	7.98	8.28	10.23	7.21
20	8.24	8.22	7.82	8.24	10.18	7.17
27	7.98	7.97	7.77	8.20	10.18	7.15
AUG. 3	7.89	7.89	7.82	8.19	10.14	7.08
10	7.87	7.87	7.85	8.14	10.14	7.02
17	7.89	7.88	7.71	8.36	10.34	N.A.
24						
31						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' N-15 RELEASE.  
 \* AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING TWO DAYS EARLIER THAN DATE SHOWN.  
 \*\* BOND BUYER'S AVERAGE INDEX OF 30 MUNICIPAL BONDS, THURSDAY DATA  
 N.A. - NOT AVAILABLE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

### SELECTED INTEREST RATES

AVERAGES OF DAILY RATES



LATEST DATA PLOTTED ARE AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING: AUGUST 17, 1990.

1990	FEDERAL FUNDS RATE	3-MONTH TREASURY BILL	6-MONTH TREASURY BILL	1-YEAR TREASURY BILL	2-YEAR TREASURY SECURITIES	LONG-TERM TREASURY SECURITIES
JUNE 1	8.18	7.74	7.74	7.81	8.52	8.71
8	8.38	7.70	7.62	7.51	8.41	8.58
15	8.30	7.70	7.62	7.51	8.38	8.58
22	8.28	7.74	7.64	7.57	8.47	8.53
29	8.28	7.77	7.67	7.57	8.45	8.53
JULY 6	8.13	7.71	7.60	7.49	8.36	8.58
13	8.28	7.73	7.73	7.53	8.43	8.57
20	8.14	7.57	7.53	7.34	8.31	8.64
27	8.06	7.55	7.40	7.33	8.30	8.63
AUG. 3	8.03	7.53	7.37	7.18	8.17	8.52
10	8.07	7.37	7.19	7.18	8.28	8.51
17	8.15	7.43	7.51	7.17	8.54	8.88
24						
31						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' N-15 RELEASE EXCLUDING LONG-TERM TREASURY SECURITIES WHICH ARE COMPUTED BY THIS BANK. TREASURY BILL YIELDS ARE ON A DISCOUNT BASIS.  
 \*\* TREASURY NOTE YIELD AVAILABLE FOR THE WEEK ENDING TWO DAYS EARLIER THAN DATE SHOWN.  
 \*\*\* AUCTION AVERAGE (DISCOUNT)

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

# THE OHIO STATE UNIVERSITY

## Portfolio Summary

	<u>8/17/90</u>	<u>8/30/90</u>
Unallocated Cash	\$6,070,187	\$3,075,797
Equities:		
Chicago	34,100,662	38,632,387
R. Meeder	10,999,220	13,001,471
Neuberger & Berman	13,120,825	14,170,710
Nicholas Applegate	13,652,398	15,494,958
Siebel	32,923,684	36,744,939
University Managed	27,216,531	33,379,715
University Students	5,006,941	5,622,381
Wells Fargo EAFE	8,369,953	9,088,214
Wells Fargo S&P 500	28,206,677	30,747,343
Total Equities	<u>173,596,891</u>	<u>196,882,118</u>
Fixed Income:		
Boatmen's Trust	21,900,653	23,329,632
Cambridge	889,413	921,596
Duff & Phelps	10,031,990	10,142,463
WR Lazard	9,758,337	9,888,684
STW Fixed Income	22,462,758	23,393,709
University GNMA	10,009,579	10,088,124
University Managed	289,824	289,044
Total Fixed Income	<u>75,342,554</u>	<u>78,053,252</u>
Real Estate	<u>43,865,993</u>	<u>43,869,131</u>
Total Portfolio	<u><u>\$298,875,625</u></u>	<u><u>\$320,800,298</u></u>

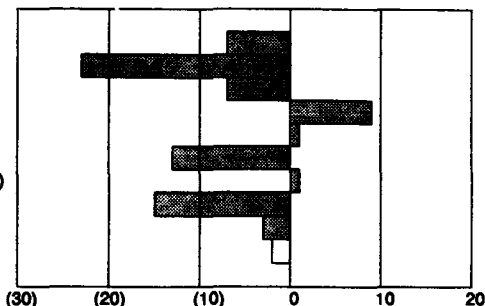
<u>Asset Allocation</u>	<u>8/17/90</u>	<u>% of Portfolio</u>	<u>7/20/90</u>	<u>% of Portfolio</u>	<u>6/15/90</u>	<u>% of Portfolio</u>
Equities	\$160,582,632	53.73	\$182,543,900	57.08	\$183,657,933	57.22
Fixed Income	74,158,170	24.81	76,507,123	23.93	76,790,618	23.92
Real Estate	43,778,500	14.65	43,778,500	13.69	43,875,000	13.67
Cash	20,356,323	6.81	16,954,146	5.30	16,655,673	5.19
Total	<u><u>\$298,875,625</u></u>	<u><u>100.00</u></u>	<u><u>\$319,783,669</u></u>	<u><u>100.00</u></u>	<u><u>\$320,979,124</u></u>	<u><u>100.00</u></u>

# THE OHIO STATE UNIVERSITY Endowment Performance Summary

## Estimated 12 Month Total Return

### Equities

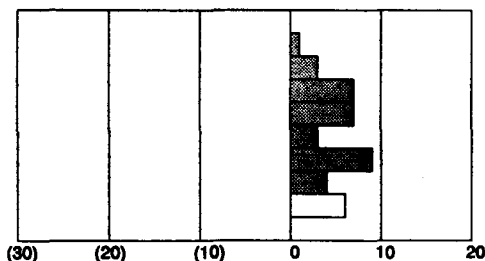
Chicago Corp (0.3)  
R. Meeder (0.8)  
Neuberger & Berman (0)  
Nicholas Applegate (7.3)  
Siebel (33.9)  
University Managed (0)  
University Students (12.3)  
Wells Fargo EAFE (0)  
Wells Fargo S&P 500 (0)  
S&P 500 (0)



	Market Value	Total Return%
Yield%	Change%	
2.4	(9.5)	(7.1)
2.3	(25.6)	(23.3)
2.9	(10.1)	(7.2)
1.2	7.3	8.5
4.3	(3.0)	1.3
2.3	(14.9)	(12.6)
1.2	0.1	1.3 [1]
1.5	(16.3)	(14.8) [2]
2.7	(6.0)	(3.3) [3]
3.4	(5.3)	(1.9)

### Fixed Income

Boatmen's Trust (0)  
Cambridge (0.2)  
Duff & Phelps (1.1)  
WR Lazard (0.3)  
STW Fixed Income (1.9)  
University GNMA (6.1)  
University Managed (0)  
Shearson Govt/Corp (0)



	Market Value	Total Return%
Yield%	Change%	
7.4	(6.8)	0.6
8.0	(5.1)	2.9
8.4	(1.6)	6.8
9.5	(2.5)	7.0
8.8	(5.8)	3.0
9.6	(0.6)	9.0
16.8	(12.6)	4.2
9.1	(3.1)	6.0

( ) Percent Cash 8/17/90

[1] Reflects return from initial allocation February 20, 1990 only.

[2] Reflects return from initial allocation October 2, 1989 only.

[3] Reflects return from initial allocation October 6, 1989 only.

	Year to Date July 1, 1990 to August 17, 1990	Latest Month July 21, 1990 to August 17, 1990
<u>Change in Total Valuation</u>		
Beginning Market Value	\$321,890,298	\$319,783,669
Principal Additions	2,057,675	1,980,871
Principal Withdrawals	(802,933)	(22,500)
Change in Market Value	(24,259,415)	(22,866,415)
Ending Market Value	<u>\$296,875,625</u>	<u>\$296,875,625</u>

NOTE: Endowment Income from July 1, 1990 through August 31, 1990 totaled approximately \$2,822,000.

**THE OHIO STATE UNIVERSITY**  
**Maturities and**  
**Real Estate Activity**

MATURITIES THAT OCCURRED DURING PERIOD

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>
------------------	--------------------------------	----------------

No maturities during the period.

REAL ESTATE

Acquisitions & Sales

Description

Cost or  
Appraised Value

No activity during the period.

# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
10,700	A. L. Laboratories, Inc.	Chicago	20.5000	\$220,045.50	\$1,712.00
7,500	Cardinal Distribution, Inc.	Chicago	27.8274	207,205.80	750.00
3,900	Cracker Barrel Old Country Store, Inc.	Chicago	27.7500	108,381.00	195.00
9,600	Crane Co.	Chicago	26.1521	251,684.60	7,200.00
2,400	Dillard Department Stores, Inc.	Chicago	84.0000	201,600.00	480.00
5,700	FMC Corp.	Chicago	37.0000	211,270.50	0.00
18,400	Fedders Corp.	Chicago	12.0484	222,887.35	8,832.00
2,600	Harley-Davidson, Inc.	Chicago	24.1250	62,894.00	0.00
6,800	Marshall & Lisle Corp.	Chicago	30.5000	207,400.00	8,160.00
1,100	Morrison, Inc.	Chicago	25.0000	27,500.00	704.00
14,700	Pansophic Systems, Inc.	Chicago	12.9837	191,816.08	2,940.00
4,900	Pennsylvania Power & Light Co.	Chicago	41.7500	204,893.50	14,602.00
800	U.S. Bancorp	Chicago	24.3750	19,500.00	800.00
11,500	Vishay Intertechnology, Inc.	Chicago	19.0000	218,500.00	0.00
5,000	Blockbuster Entertainment Corp.	Nicholas-Applegate	20.9640	105,120.00	0.00
5,300	Chemical Waste Management, Inc.	Nicholas-Applegate	22.3645	118,850.00	848.00
6,900	ConAgra, Inc.	Nicholas-Applegate	34.0185	235,127.70	4,140.00
7,500	MBIA, Inc.	Nicholas-Applegate	40.2500	302,325.00	3,000.00
5,000	Maxus Energy Corp.	Nicholas-Applegate	11.0000	55,300.00	0.00
3,000	Medco Containment Services, Inc.	Nicholas-Applegate	23.4178	70,253.40	120.00
3,800	Medtronics, Inc.	Nicholas-Applegate	79.5204	302,405.52	3,116.00
2,000	Microsoft Corp.	Nicholas-Applegate	65.3430	130,686.00	0.00
4,500	Mitchell Energy & Development Corp.	Nicholas-Applegate	18.3750	82,957.50	1,440.00
7,000	Morton International, Inc.	Nicholas-Applegate	44.3062	310,563.40	6,160.00
4,200	Novell, Inc.	Nicholas-Applegate	48.4565	203,521.48	0.00
1,700	Rhone-Poulenc Rorer, Inc.	Nicholas-Applegate	70.2537	119,533.25	1,426.00
14,600	Air & Water Technology, Inc.	Siebel	23.2500	340,472.00	0.00
3,100	Disney (Walt) Co.	Siebel	106.1660	329,300.60	1,798.00

Continued next page



# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period (continued)

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
6,500	Environmental Elements, Inc.	Siebel	17.7500	\$115,375.00	\$0.00
4,000	Geraghty & Miller, Inc.	Siebel	13.3855	53,542.00	0.00
10,000	Tandem Computers, Inc.	Siebel	17.1738	172,438.00	0.00
45	Fifth Third Bancorp*	University Managed	32.7500	1,473.75	43.20
1,056	PPG Industries, Inc.*	University Managed	49.3750	52,140.00	1,774.08
25,000	California Microwave, Inc.	University Students	8.6400	218,500.00	0.00
3,000	Merck & Company, Inc.	University Students	83.2500	250,050.00	6,720.00
5,000	Philip Morris Companies, Inc.	University Students	45.2500	226,750.00	6,875.00
				<u>\$6,152,262.93</u>	<u>\$83,837.28</u>

\* Gift

# THE OHIO STATE UNIVERSITY

## Equity Sales

### Sales Made During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
2,100	Alexander and Baldwin, Inc.	Chicago	27.5000	\$57,750.00	(\$8,925.00)
3,800	American Home Products Corp.	Chicago	46.6065	176,851.79	57,406.56
2,375	American International Group, Inc.	Chicago	70.3260	166,864.31	(14,234.19)
3,100	Becton Dickinson & Co.	Chicago	70.8820	218,905.39	33,109.99
3,000	Cincinnati Bell, Inc.	Chicago	21.0000	62,802.90	16,448.10
4,900	CoreStates Financial Corp.	Chicago	37.8250	184,362.50	(7,100.00)
1,400	Disney (Walt) Co.	Chicago	116.7640	163,373.15	4,369.55
4,500	Donnelley (RR) & Sons Co.	Chicago	44.0000	197,700.90	25,927.90
4,300	Fleet/Norstar Financial Group, Inc.	Chicago	16.6820	71,450.70	(34,037.04)
4,400	Gannett Co., Inc.	Chicago	35.0460	153,911.25	(12,817.95)
2,000	Glatfelter (P.H.) Co.	Chicago	40.5000	80,867.30	(3,513.63)
3,800	Lincoln National Corp.	Chicago	48.8750	185,471.80	(14,325.20)
2,200	Loews Corp.	Chicago	97.5710	214,508.04	87,896.49
5,200	McKesson Corp.	Chicago	32.3999	168,135.88	7,897.86
3,700	Sonoco Products Co.	Chicago	28.5000	105,450.00	(9,294.05)
6,900	Textron, Inc.	Chicago	23.2500	159,971.15	(30,572.35)
6,200	Weyerhaeuser Co.	Chicago	23.5160	145,391.34	(7,611.64)
14,000	American Greetings Corp.	Nicholas-Applegate	29.8125	417,375.00	128,950.00
5,500	Boeing Co.	Nicholas-Applegate	55.4588	304,683.01	89,906.91
16,200	Cetus Corp.	Nicholas-Applegate	13.6200	220,644.40	(95,554.40)
4,800	Circus Circus, Inc.	Nicholas-Applegate	51.1222	245,090.22	(62,388.48)
4,300	Federal National Mortgage Assn.	Nicholas-Applegate	31.5561	135,428.57	(34,979.46)
1,200	Halliburton Co.	Nicholas-Applegate	57.5250	68,955.69	16,043.13
8,100	Lowe's Companies, Inc.	Nicholas-Applegate	30.6742	249,586.33	(27,877.77)
13,000	Mylan Labs, Inc.	Nicholas-Applegate	19.6479	254,833.67	(25,751.43)
6,000	Student Loan Marketing Assn.	Nicholas-Applegate	43.2289	259,004.83	38,931.43
8,100	Sun Microsystems, Inc.	Nicholas-Applegate	29.1963	236,490.00	70,108.26
6,100	Toys-R-Us, Inc.	Nicholas-Applegate	27.8955	169,790.62	66,023.77

Continued next page

# THE OHIO STATE UNIVERSITY

## Equity Sales

### Sales Made During Period (continued)

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
10,000	Computer Associates International, Inc.	Siebel	9.0650	\$90,046.97	(\$62,652.89)
100	Schering Plough Corp.*	University Managed	49.3000	4,930.00	367.33
10,000	Fabri-Centers of America, Inc.	University Students	19.8902	197,895.03	(11,854.97)
20,000	International Technology Corp.	University Students	9.2740	184,273.81	19,873.81
18,000	Limited, Inc.	University Students	18.5625	296,030.10	(29,144.90)
				<u>\$5,848,824.83</u>	<u>\$170,625.74</u>

\*Gift

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Acquisitions**

Purchases and Gifts During Period

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Current Yield</u>	<u>Yield to Maturity</u>	<u>Price</u>	<u>Investment</u>
450,000	U.S. Treasury Note 8.375% 06-30-92	Cambridge	8.3062	7.8897	100.8281	\$453,726.56
1,400,000	NCNB Corp. 10.200% 07-15-15	STW	10.2286	10.2306	99.7200	1,396,080.00
						<u>\$1,849,806.56</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Sales**

Sales Made During Period

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Price</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
35,000	U.S. Treasury Bond 8.875% 08-15-17	Boatmen's	104.5000	\$36,575.00	\$2,353.13
450,000	U.S. Treasury Bond 8.500% 02-15-20	Cambridge	96.2813	433,265.63	(19,687.50)
1,000,000	NCNB Corp. 9.375% 09-15-09	STW	93.4920	934,920.00	5,310.00
500,000	U.S. Treasury Bond 9.250% 02-15-16	STW	105.6719	528,359.38	(22,140.89)
				<u>\$1,933,120.01</u>	<u>(\$34,165.26)</u>

**THE OHIO STATE UNIVERSITY**  
**Real Estate Investments**

	<u>Yield</u>	<u>Year Acquired</u>	<u>Carrying Value</u>	<u>Appraised Value</u>	<u>Date Appraised</u>
Busch Boulevard Centre	9.36%	1990	\$4,275,000	\$4,275,000	10/89
46.984 acres of land in Delaware County	0.55%	1971	100,793	641,000	06/89
Hanger at Don Scott Field (Loan)	0.00%	1973	22,666 (1)	22,666	N/A
Hanger addition at Don Scott Field (Loan)	10.00%	1978	64,827 (1)	64,827	N/A
17.92 acres of land on Elterman Road	0.00%	1978	25,152	725,000	05/88
51 acres of land, 2809 West Granville Road	0.00%	1962	160,285	2,896,000	06/89
46.52 acres of land, 3025 West Granville Road	0.00%	1972	544,398	4,367,000	06/89
76.143 acres of land, 3253 West Granville Road	0.03%	1968	310,538	6,853,000	06/89
30.539 acres of land, 3371 West Granville Road	0.00%	1971	265,079	2,749,000	06/89
32 acres of land, 3371 West Granville Road	0.19%	1966	2,078,666	2,880,000	06/89
12 acres of land, 3483 West Granville Road	0.00%	1965	24,000	1,080,000	06/89
6.557 acres of land, 3505 West Granville Road	0.00%	1968	17,114	770,000	06/89
Undivided one-half interest in building and					
.65 acres at 1375 South Hamilton Road	2.94%	1966	95,000	95,000	01/86
94.5 acres of land on Harrisburg Pike	0.00%	1966	190,000	283,000	06/89
Building and 2.633 acres at 1900 Kenny Road	21.84%	1961	659,930	1,250,000	06/89
Building and 6.41 acres at 1960 Kenny Road	17.36%	1971	1,320,693	2,500,000	06/89
Building and 6.328 acres at 1991 Kenny Road	8.81%	1968	170,000	696,000	06/89
Building and 3.295 acres at 930 Kinnear Road	7.97%	1962	435,204	1,550,000	06/89
Building and 5.56 acres at 1100 Kinnear Road	3.74%	1984	825,000	2,650,000	06/89
20.988 acres of land on Shier-Rings Road	0.00%	1978	241,848	1,155,000	08/89
Veterans Administration Clinic	8.08%	1979	3,767,261	6,363,500	06/90
			<u>\$15,593,434</u>	<u>\$43,865,993</u>	

(1) Amount represents balance on loan made to Department of Aviation

**THE OHIO STATE UNIVERSITY**  
**Cash and Investments**  
**June 30, 1990**

	<i><b>Cash and Investments (at Market)</b></i>	<i><b>Total Return for the Year Ended 6-30-90</b></i>
<i>University Endowment Fund</i>	\$321,880,298	10.3%
<i>Ohio State University Foundation</i>	17,483,596	10.3%
<i>Operating Funds</i>	218,654,627	8.1%
<i>Debt Service and Debt Construction Funds</i>	51,607,780	7.5%
<i>OSU Research Foundation</i>	18,074,584	8.3%
<i>Trust Funds</i>	19,057,455	7.5%
<i>Student Loan Funds</i>	5,862,175	8.2%
<i>Hospital Self Insurance Fund</i>	14,803,147	9.0%
<i><b>Total All Accounts</b></i>	<u><u><b>\$667,423,661</b></u></u>	

*Office of the Treasurer  
The Ohio State University*



MEMORANDUM

Subject: Proxy Solicitations

Date: August 31, 1990

From: James L. Nichols, Treasurer

To: Board of Trustees, The Ohio State University

During July and August 1990, the University voted twenty-seven proxies.

Management proposals were as follows:

- 1) Election of the Board of Directors;
- 2) Amendment to increase the number of authorized Class A common shares;
- 3) Ratification of the independent auditors;
- 4) Ratification of a merger;
- 5) Approval of an amendment to the Employee Stock Option Plan to increase common shares;
- 6) Allow for the surrender of certain stock options in excess of fair market value over the option exercise price and to extend the Stock Option Plan;
- 7) Adoption of the 1990 Stock Option Plan;
- 8) Approve an amendment to increase the number of shares of common stock;
- 9) Approve amendments to the Incentive Stock Option Plan;
- 10) Ratification of amendments to a Stock Option Plan for seasonal employees, extension of the plan, and change the definition of a seasonal employee;
- 11) Adoption of a Stock Option Plan for key employees;
- 12) Approval of an extension to the Long-Term Incentive Plan;
- 13) Approve an amendment to the 1983 Stock Incentive Plan increasing the number of shares of Common Stock;
- 14) Approval to grant options to Non-Employee directors;
- 15) Adoption of 1990 Employees Stock Purchase Plan;
- 16) Approval of an amendment to change the corporate name;
- 17) Approval to adopt the reorganization plan, the merger plan and any related transactions;
- 18) Approve an amendment to a 1987 Stock Option Plan to increase the number of shares of Common Stock;
- 19) Approval of a new class of preferred stock;
- 20) Adoption of 1990 Employee Incentive Plan;



The shareholder proposals were as follows:

- 1) Amendment requiring shareholder voting to be kept confidential and tabulation conducted by a third party;
- 2) Require officers and directors reimburse the Company for all fees and expenses in connection with the proposed buyout;

The University voted for all Management proposals and against the shareholder proposals. Additionally, Management opposed the shareholder proposals.

The twenty-seven corporations were:

- 1) American Software, Incorporated
- 2) Avery International Corporation
- 3) Biomet, Incorporated
- 4) Bob Evans Farms, Incorporated
- 5) Centex Corporation
- 6) Computer Associates International, Incorporated
- 7) Computer Sciences Corporation
- 8) Crawford and Company
- 9) Fleetwood Enterprises, Incorporated
- 10) Gerber Scientific, Incorporated
- 11) H and R Block, Incorporated
- 12) H.J. Heinz Company
- 13) Handleman Company
- 14) International Technology Corporation
- 15) Loral Corporation
- 16) Manor Care Incorporated
- 17) Medtronic Incorporated
- 18) National Intergruop, Incorporated
- 19) NCH Corporation
- 20) Philips Industries Incorporated
- 21) Skyline Corporation
- 22) The J.M. Smucker Company
- 23) Wetterau Incorporated
- 24) Wheelabrator Technologies Incorporated
- 25) Worthington Industries
- 26) Zurn Industries, Incorporated
- 27) 3333 Holding Corporation

Page 306 Blank

## APPENDIX XII

### THE OHIO STATE UNIVERSITY CAMPAIGN SUMMARY REPORT

Presented to the Investments Committee and  
Adopted by the Board of Trustees September 7, 1990  
(See page 199)

CAMPAIGN SUMMARY REPORT  
THROUGH JUNE 30, 1990  
(IN MILLIONS)

	<u>CAMPAIGN TOTALS*</u>	<u>CAMPAIGN GOAL</u>	<u>% ACHIEVED</u>
ALUMNI	\$135.9	\$122.5	111
FRIENDS	93.3	70.0	133
**CORPORATIONS	191.6	122.5	156
FOUNDATIONS	39.3	35.0	112
TOTALS	460.1	350.0	131

\* INCLUDES RECEIPTS AND EXPECTANCIES (DEFINED AS PLEDGES AND DEFERRED COMMITMENTS LESS PAYMENTS ALREADY RECEIVED)

\*\* CORPORATIONS, BUSINESSES, ASSOCIATIONS AND PRIVATE AGENCIES

CAMPAIGN PROGRESS REPORT  
Through June 30, 1990

<u>Gift Support Category</u>	<u>Expectancies</u>	<u>Receipts</u>	<u>Total</u>
Academic Divisions (Colleges/Depts.)	\$18,527,350	\$43,560,689	\$62,088,039
Faculty Support	20,560,935	12,447,948	33,008,883
Research	7,803,656	128,544,511	136,348,167
Student Financial Aid	29,144,143	29,454,072	58,598,215
Buildings/Equipment	30,382,932	35,964,012	66,346,944
Unrestricted to University	5,648,052	6,679,244	12,327,296
Other	<u>25,991,270</u>	<u>65,464,879</u>	<u>91,456,149</u>
Totals	\$138,058,338	\$322,115,355	\$460,173,693

\* \* \* FINAL REPORT \* \* \*

Campaign Progress Report  
By Gift Support Category

DEFINITIONS

Expectancies:	Expectancies are cash, gift-in-kind and deferred commitments from donors less payments already received (re: outstanding balances of pledges and deferred agreements.
Receipts:	Cash, gifts-in-kind, securities and irrevocable trusts received during the period May 1, 1985 - June 30, 1990. Also includes OSP awards from industry and selected private agencies.
Academic Divisions:	Gifts to colleges and departments for items other than faculty compensation, research, student financial aids or buildings and equipment. Examples include discretionary accounts and hundreds of restricted accounts for college and departmental use such as library support, friends' funds to various areas (Friends of Orton Hall, etc.), alumni funds, general support for operations within the department, etc.
Faculty Support:	Gifts for faculty compensation and direct support (chairs, professorships, etc.)
Research:	Gifts to research projects including OSP awards from industry and selected private agencies
Student Programs:	Gifts to scholarship, fellowship and student program support accounts
Buildings/Equipment:	Gifts for buildings (e.g. Wexner Center, Law School, Athletics Complex, etc.), gifts-in-kind (computer equipment, livestock, etc.) and operation and maintenance of the physical plant
Unrestricted to University:	Gifts with no restrictions as to how the University is to use the money
Other:	Gift commitments to the Campaign for which a designation has yet to be determined. Also, gifts to accounts which cannot be classified elsewhere such as Friends of WOSU, Friends of Ohio Union, Schooler-Reese Lecture, Athletics, Hospitals, etc.

The Ohio State University Campaign  
 Campaign Progress  
 @ June 30, 1990

Expectancies for Campaign Priorities	\$ 65,354,048
Receipts for Campaign Priorities	<u>82,247,044</u>
Total Toward Priorities	\$ 147,601,092 (42% of goal)
Expectancies for Non-Campaign Priorities	\$ 72,704,290
Receipts to Discretionary Funds	19,338,423
Other Projects	<u>220,529,888</u>
Total Dollars	\$ 460,173,693 (131% of goal)

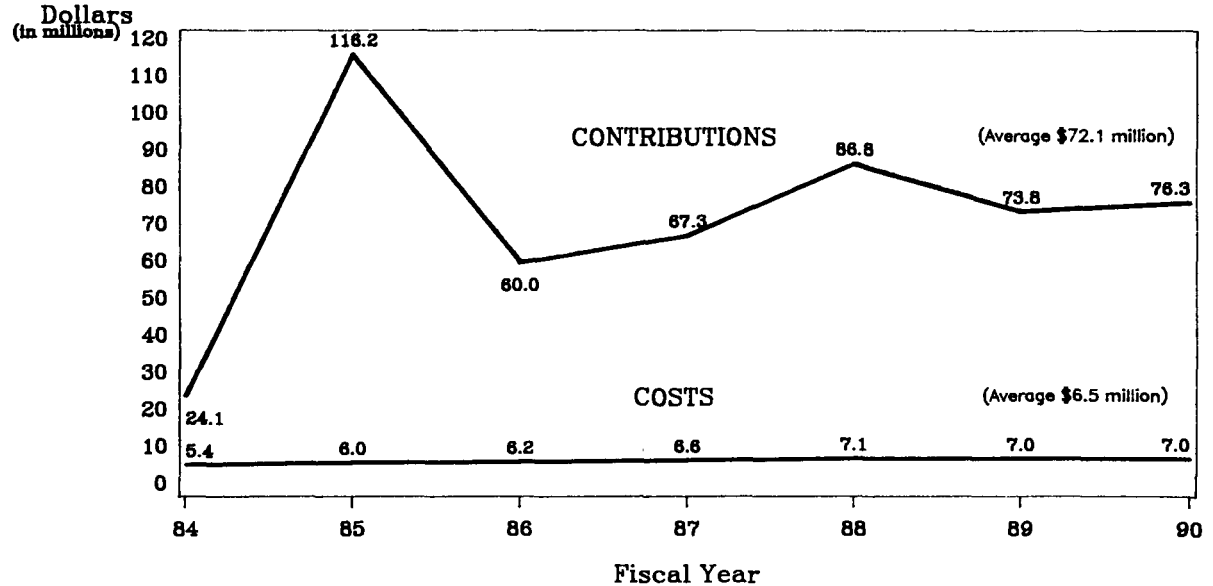
\* \* \* FINAL REPORT \* \* \*

# The Ohio State University Campaign

\* Cost vs Contributions

(Actual)

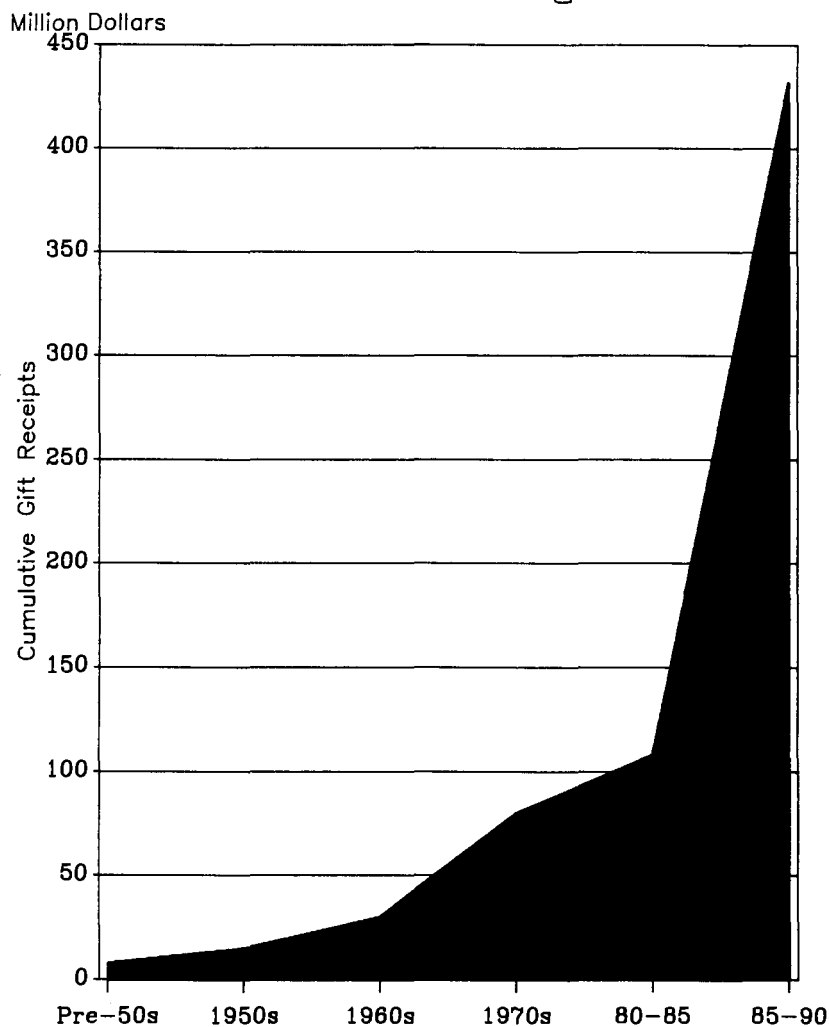
1984 - 1990



\*University Development costs only. (Other departmental expenditures and allocated costs add another \$1.5 million per year.)

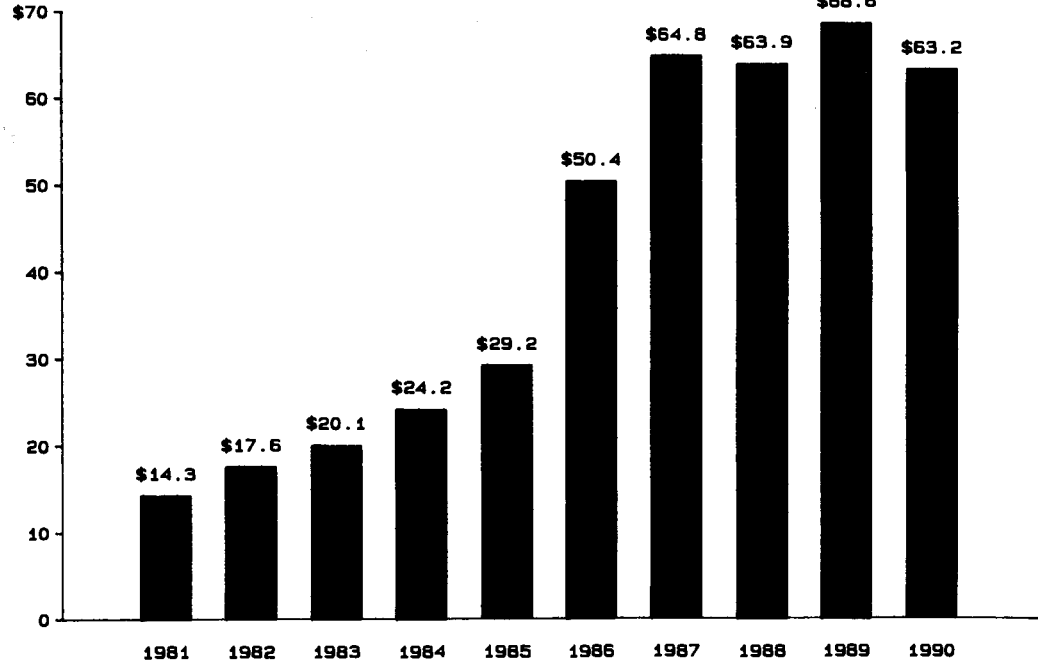


# Historical Overview Ohio State University Fund Raising



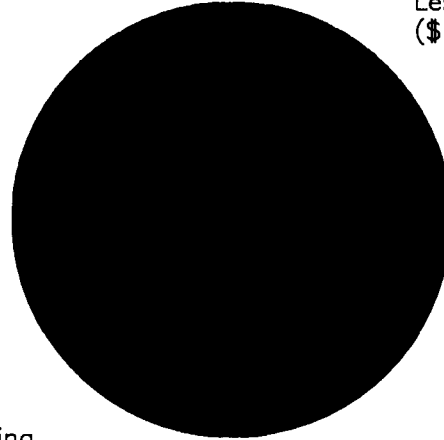
# Total Gift Receipts FY 1981-90

Million Dollars



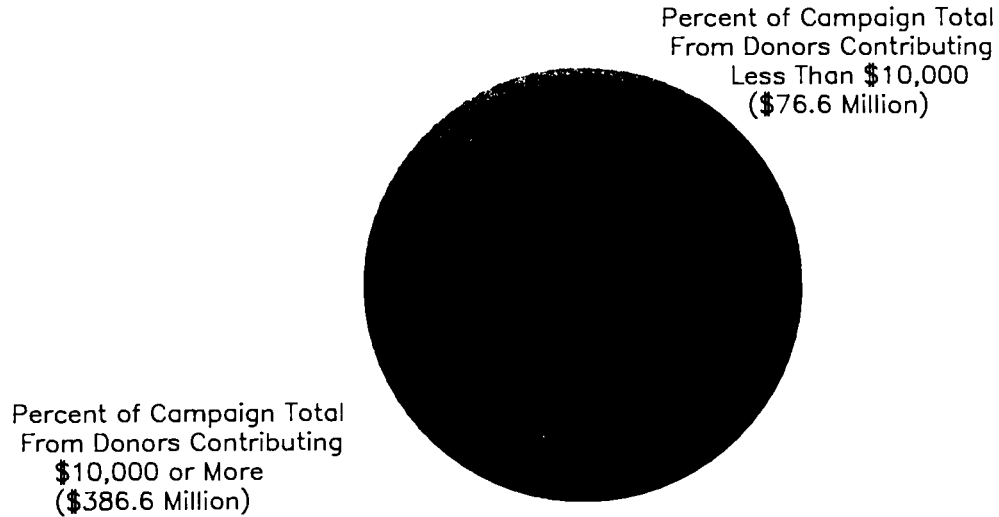
# The Ohio State University Campaign Impact of Major Gifts in 1983-84

Percent of Annual Total  
From Donors Contributing  
Less Than \$10,000  
(\$10.3 Million)

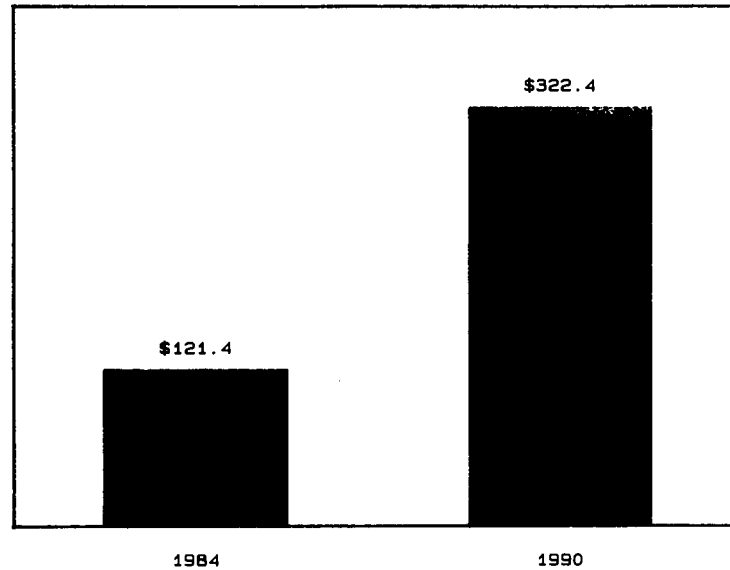


Percent of Annual Total  
From Donors Contributing  
\$10,000 or More  
(\$13.9 Million)

## The Ohio State University Campaign Impact of Major Gifts on Campaign



Growth of Endowment  
1984 - 1990  
(millions)



————— \$201 million —————>  
increase

# Campaign Impact on Endowment Growth Since 1984

New  
Gifts  
and  
Additions

Increase in  
Market Value

\$201 million increase  
from 1984 to 1990

The Ohio State University Campaign  
Progress Toward Goals  
by Constituent/Program Unit  
@ June 30, 1990

Constituent Program/Unit	*Expectancies for Campaign Priorities	Receipts for Campaign Priorities	Total Toward Priorities	*Expectancies for Non-Campaign Priorities	Receipts to Disc. Funds	Other Annual Receipts	Total Dollars	Dollar Goal	% of Goal Achieved Toward Priorities	% of Dollar Goal Achieved
Academic Affairs	\$7,151,832	\$6,544,485	\$13,696,317	\$12,786,825	\$1,088,812	\$15,774,301	\$43,346,255	\$52,850,000	26	82
Agriculture	346,987	1,833,226	2,180,213	9,965,531	802,484	21,131,025	34,079,253	18,000,000	13	190
Arts	18,838,696	7,077,907	25,916,603	2,471,250	219,965	3,490,308	32,098,206	45,337,000	58	71
Athletics	4,285,497	4,657,626	8,943,123	15,582,266	409,161	18,849,935	43,784,485	45,000,000	20	98
Biological Sci.	584,700	288,646	873,346	1,000	242,341	4,944,943	6,061,630	14,250,000	7	43
Business	2,001,540	2,105,911	4,107,451	3,665,159	2,054,772	7,683,412	17,510,794	16,025,000	26	110
Dentistry	1,974,646	193,368	2,168,014	145,164	517,471	3,514,687	6,345,336	4,170,000	52	153
Education	403,565	133,836	537,401	1,483,123	917,547	7,770,556	10,708,627	5,150,000	11	208
Engineering	4,910,200	33,991,061	38,901,261	1,583,831		22,358,704	62,843,796	30,000,000	130	210
Human Ecology	1,203,283	299,786	1,503,069	834,700	294,230	4,364,779	6,996,778	2,500,000	61	280
Humanities	281,016	291,985	573,001	1,945,169	707,184	2,182,102	5,407,456	13,000,000	5	42
Law	6,915,180	6,478,230	13,393,410	283,669		443,760	14,120,839	10,500,000	128	135
Libraries	6,375	73,275	79,650	658,000	395,296	1,059,544	2,192,490	8,500,000	1	26
Math & Phys. Sci.	275,000	783,393	1,058,393	705,750	351,210	7,817,950	9,933,303	13,750,000	8	73
Medical Center	9,822,436	11,992,579	21,815,015	8,314,289	2,253,294	66,292,143	98,674,741	43,500,000	51	227
Nursing	103,540	16,075	119,615	73,900	334,388	384,711	912,614	3,000,000	4	31
Optometry	461,425	109,502	570,927	150,000	112,292	957,856	1,791,075	1,750,000	13	103
Pharmacy		1,224,391	1,224,391	720,400		2,701,723	5,397,314	4,550,000	27	119
Soc. & Behav. Sci.	1,081,813	1,270,961	2,352,774	167,960		2,281,444	4,802,178	8,145,000	14	59
Social Work	36,622	161,072	197,694	100,000		141,841	419,535	1,750,000	12	26
Veterinary Med	4,544,695	2,594,649	7,139,344	657,300	541,343	5,771,589	14,109,576	5,850,000	122	242
WOSU	125,000	125,000	250,000	4,750	2,201,095	7,891,094	10,347,539	2,400,000	11	450
Other Areas				2,775,406	235,634	12,720,881	15,731,921			
Undetermined Des.				7,628,848			7,628,848			
Unrestr. (A & A Fnd)					4,909,104		4,909,104			
TOTALS	\$65,354,048	\$82,247,044	\$147,601,092	\$72,704,290	\$19,338,423	\$220,529,888	\$460,173,693	\$349,877,000	42	131

\*Defined as pledges and deferred commitments less payments already received.

The Ohio State University Campaign  
Progress Toward Goals  
By Constituent/Program Unit

DEFINITIONS

- |  |  |
|--|--|
| 1. Constituent Program Unit:                 | The college, department or constituent area for which a set of Campaign priorities were identified.  |
| 2. Expectancies for Campaign Priorities:     | Pledge and deferred gift commitments made toward identified Campaign priorities less payments already received (re: Outstanding balances on pledges and deferred agreements)   |
| 3. Receipts for Campaign Priorities:         | Cash, securities, gifts-in-kind and irrevocable trusts received since the beginning of the Campaign for identified Campaign priorities   |
| 4. Total Toward Priorities:                  | Sum of items 2 and 3 above   |
| 5. Expectancies for Non-Campaign Priorities: | Pledge and deferred gift commitments made during the Campaign (but not designated for identified Campaign priorities) less payments already received   |
| 6. Receipts to Discretionary Funds:          | Gift receipts to college discretionary accounts plus the University unrestricted account   |
| 7. Other Annual Receipts:                    | Cash, securities, gifts-in-kind and irrevocable trusts received since the beginning of the Campaign which were not designated for an identified Campaign priority or for college or University discretionary use. (e.g. Numerous research funds in the sciences and medicine, academic and faculty support funds not identified as priorities, funds such as Athletics' grant-in-aid, etc.). Also includes OSP awards from industry and selected private agencies. |
| 8. Total Dollars:                            | Sum of items 4, 5, 6 and 7 above   |
| 9. Dollar Goal:                              | Dollar Goal of the identified Campaign priorities within each constituent or program unit  |
| 10. % of Goal Achieved Toward Priorities:    | Item 4 divided by item 9 above   |
| 11: % of Dollar Goal Achieved:               | Item 8 divided by item 9 above   |



## **APPENDIX XIII**

### **REPORT: THE 1990 FARM SCIENCE REVIEW**

**Presented to the Agricultural Affairs Committee  
September 7, 1990  
(See page 225)**

Agricultural Affairs Committee

Board of Trustees

September 7, 1990

Report: The 1990 Farm Science Review

The 28th Edition of the Ohio State Farm Science Review is on course to become a record setting event. As of our close of business on 9/6/90 a total of 523 commercial exhibitors, representing some 2600 agricultural organizations, were under contract to participate. These exhibitors have leased approximately 225,000 sq. ft. above and beyond that leased in the peak year of 1983. Over 96% of the 83 acre exhibit area is under contract as of this date.

In addition, a record number of advance sale tickets have been consigned to over 250 outlets across Ohio and her neighboring states. As of this date, advance sale consignments are running at 116% of the 1989 record pace. Should the tradition of ticket demand and gate sales be followed, it is very possible that the 1990 Review could host some 135,000 persons. The previous all-time record for attendance was set in 1989 with 125,733 persons in attendance.

The Review is also pleased that special guests and programs will be hosted during the 1990 Review. The Vice President's Recognition Luncheon on Tuesday, September 18, will bring some 400 distinguished guests to the Molly Caren Agricultural Center. Included in that number will be the family of Dr. James D. Utzinger, in whose memory the 1990 Review is dedicated, and the first five inductees into the Farm Science Review Hall of Fame. President E. Gordon Gee will attend his first Farm Science Review and will be part of the scheduled activities. On Wednesday, September 19, the United States Secretary of Agriculture, the Honorable Clayton Yeutter, has scheduled a visit to the exposition. His visit, the first by a U.S. Secretary of Agriculture, will include a presentation to the public.

The 1990 "Showcase of Ohio Agriculture" is truly shaping up to be the best ever. The welcome mat is in place for the members of the Board of Trustees to enjoy clear skies and pleasant temperatures during their visit to the 1990 Farm Science Review on September 18, 19 and 20.

APPENDIX XIV

THE AFRICANIZED HONEY BEE AND THE OHIO STATE UNIVERSITY

Presented to the Agricultural Affairs Committee  
September 7, 1990  
(See page 225)

# THE AFRICANIZED HONEY BEE AND THE OHIO STATE UNIVERSITY

## *A Cooperative Extension Service USDA Project*

### AFRICANIZED HONEY BEES

In 1956, researchers in Brazil attempted to develop a more productive honey bee than the honey bee that had been imported from Europe. Honey bee queens from Africa, whose offspring were presumably better suited for Brazilian conditions, were imported and established in test colonies in Sao Paulo, Brazil. African bee swarms escaped into the Brazilian countryside where their queens interbred with the more docile resident European honey bees.

The offspring of these "mismatings" defended their nests more vigorously than European bees and swarmed more often, and therefore, were better suited for survival in the tropics. Researchers named this hybrid the Africanized honey bee. However, as a result of widely publicized stinging incidences, the name "Killer Bee" was used by the movie industry and the media to describe the Africanized honey bee.

Unlike the docile European honey bees common in the United States, the Africanized honey bee defends its hive quickly and will pursue intruders greater distances than European honey bees. The venom from one Africanized honey bee sting is no more potent than the venom of a single European honey bee sting. Most stinging incidences have involved animals, but on rare occasions humans have also been attacked. Stinging attacks occur only after someone or an animal has threatened the Africanized honey bee nest or has entered their territory.

In some cases, the noise or vibration of tractors or motorboats have provoked a stinging incidence. However, chance encounters with individual Africanized honey bees on blossoms pose no greater threat than an encounter with European honey bees on blossoms. Even though mass stinging attacks are terrifying and could be life threatening, they are not common. Common sense is the best defense for avoiding stings from all stinging insects - not just honey bees.

In spite of its reputation, the Africanized honey bee is actually smaller than the European honey bee. For conclusive identification, specialized identification techniques must be used to distinguish the Africanized honey bee from the European honey bee already in the United States.

Occasional swarms on board ships coming from South and Central America have been intercepted and are a concern, but are not major threats to the U.S. public or to the U.S. beekeeping industry. By natural spread, sustained Africanized honey bees from Mexico are expected to arrive in Texas sometime during 1991 - 1992. This permanent invasion has caused concern for both the public and the United States' beekeeping industry.

States having obvious cold months may not have to contend with Africanized honey bees initially; however, in the future even honey bees in northern states may show some of the Africanized honey bee traits.

### THE OHIO STATE UNIVERSITY AND THE EXTENSION SERVICE, USDA, COOPERATIVE PROGRAM

Though many scientists have studied the Africanized honey bee (AHB) for many years, The Ohio State University has always either directly or indirectly had a major role in studying the Africanized

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honey bee. In 1972, Dr. Walter Rothenbuhler, Professor Emeritus, the Departments of Entomology and Zoology, was in the first scientific group to go to Brazil to evaluate early reports of a new defensive strain of honey bees that had been released into the jungles. Of Dr. Rothenbuhler's many students involved with the AHB, three are now directors of USDA Agricultural Research Laboratories across the United States. More recently, Dr. Robert Page, currently an Africanized honey bee researcher at The University of California, conducted behavioral research on the infamous bee while at OSU. Now, Dr. Brian Smith, also an insect behaviorist, is initiating AHB studies at the new OSU Rothenbuhler Honey Bee Laboratory.

Since September 1988, in a position unique to The Ohio State University, Dr. James E. Tew, of the Ohio Cooperative Extension Service and the Agricultural Technical Institute, has been serving as the National Program Leader, Extension Service, USDA, Washington, D.C. Tew is also the OCES State Beekeeping Specialist and is responsible for beekeeping education programs at ATI.

In his USDA responsibilities, Dr. Tew serves as a liaison between individual state cooperative extension services and the Extension Service, USDA. A monthly newsletter, "Apicultural Awareness," is sent to 600 state and federal educators, researchers, and regulatory workers. Additionally, he has published two general fact sheets that have been distributed nationally (including both Houses of the United States Congress) by the USDA Office of Information. Currently, Dr. Tew and Dr. Anita Collins, Director, ARS Honey Bee Laboratory, Weslaco, Texas, are co-authoring a USDA sponsored beekeeper's manual that addresses current AHB concerns. Several training workshops have been offered by Dr. Tew for state and federal workers in Ohio and other states. Tew and the Extension Service, USDA, has had strong support from the U.S. beekeeping industry. He is the AHB advisor for the National Honey Board.

Dr. Tew represents the Extension Service on the USDA's Interagency Technical Working Group on the Africanized Honey Bee. The Working Group meets every three months to review various AHB issues and to coordinate activities among the various USDA agencies involved in research, education, and regulation of the AHB. The TWG developed a Model Africanized Honey Bee Action Plan for states to emulate if/when the AHB arrives. Recently, the group developed the USDA Africanized Honey Bee National Policy that was presented to Secretary of Agriculture Clayton Yeutter for his use and review. Even though his relationship is with ES USDA, Dr. Tew acts for all USDA and its agencies through the direction of the TWG. Because of his Extension responsibilities, Dr. Tew guides the TWG on education and information matters, and he is part of the early warning mechanism instituted by USDA that will be put into action upon the arrival of AHB in the United States.

In addition to frequently speaking with the press, Dr. Tew has travelled extensively, both nationally and internationally, addressing AHB policy concerns and distributing current AHB information. Of particular use in the various educational programs has been The Ohio State University's extensive holdings of TV quality original AHB footage. Funding was supplied by the OCES and ATI. The taping, done in Venezuela and Mexico, has resulted in two satellite presentations from Kottman Hall and one broadcast from WOSU.

The United States beekeeping industry, though beleaguered by Africanized honey bees and predaceous mites, is still the best developed in the world. The industry has an estimated 300,000 beekeepers who manage 4 million colonies. The value of honey bee pollinated fruits and vegetables is approximately \$10 billion. The State of Ohio has nearly 9,000 beekeepers, making it one of the largest beekeeper states in the United States. The unique Ohio State University - Extension Service USDA Cooperative Program is one of many components required to build and maintain The Ohio State University as a national center for beekeeping excellence and leadership. The Ohio State University can take pride in its highly visible and reputable beekeeping programs.

Page 326 Blank

**APPENDIX XV**

**LAZENBY HALL - THIRD FLOOR ADDITION  
GOSS LABORATORY RENOVATION - RETROVIRUS CONTAINMENT  
164 WEST 19TH AVENUE BUILDING - ELEVATOR  
OARDC - FISHER AUDITORIUM ROOF  
OARDC - PHYSICAL PLANT BUILDING ROOF**

**Adopted by the Board of Trustees, September 7, 1990  
(See page 278)**

**Employment of Architects/Engineers and  
Request for Construction Bids**

**Projects Funded by Substitute House Bill 808**

Background

Substitute House Bill 808, enacted by the 118th General Assembly, made capital appropriations for projects at The Ohio State University's Columbus and Regional Campuses for the 1990-1992 biennium. The University desires to move forward with the following five projects authorized by House Bill 808:

Basic Renovation Projects - Columbus Campus

Lazenby Hall - Third Floor Renovation

This project will partially renovate the third floor of Lazenby Hall to provide additional staff offices and research space for the Department of Psychology. Renovation will include interior partitions and installation of HVAC, plumbing, lighting and electrical systems.

Estimated Construction Cost: \$ 410,000.00

Estimated Project Cost: \$ 500,000.00

Goss Laboratory Renovation - Retrovirus Containment

This project will renovate approximately 3,800 square feet in Goss Lab for a containment facility for retrovirus research. The renovation includes a portion of the mechanical and electrical systems and the plumbing installation for additional showers and sinks.

Estimated Construction Cost: \$ 348,500.00

Estimated Project Cost: \$ 425,000.00

164 West 19th Avenue Building - Elevator

This project will install a four level elevator to accommodate the handicapped.

Estimated Construction Cost: \$ 41,000.00

Estimated Project Cost: \$ 50,000.00

Supplemental Renovations - OARDC

OARDC - Fisher Auditorium Roof

This project will install approximately 28,000 square feet of built-up roofing on the lower roof area of the Fisher Auditorium. Replacement of wet insulation and reflashng the parapet walls as required also is included in the project.

Estimated Construction Cost: \$ 103,000.00

Estimated Project Cost: \$ 125,600.00



**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

**Projects Funded by Substitute House Bill 808 (contd)**

Background (contd)

Supplemental Renovations - OARDC (contd)

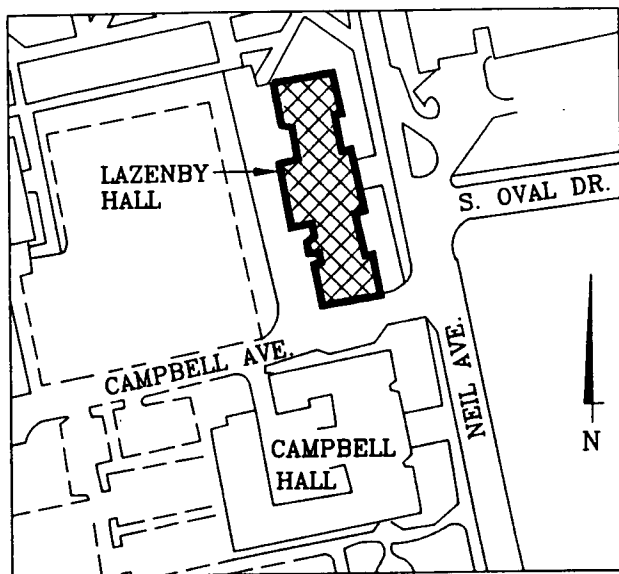
OARDC - Physical Plant Building Roof

This project will install approximately 24,000 square feet of built-up roofing, including replacement of insulation, replacement of deteriorated metal decking, and reflashings at parapet walls as required.

Estimated Construction Cost: \$ 130,200.00

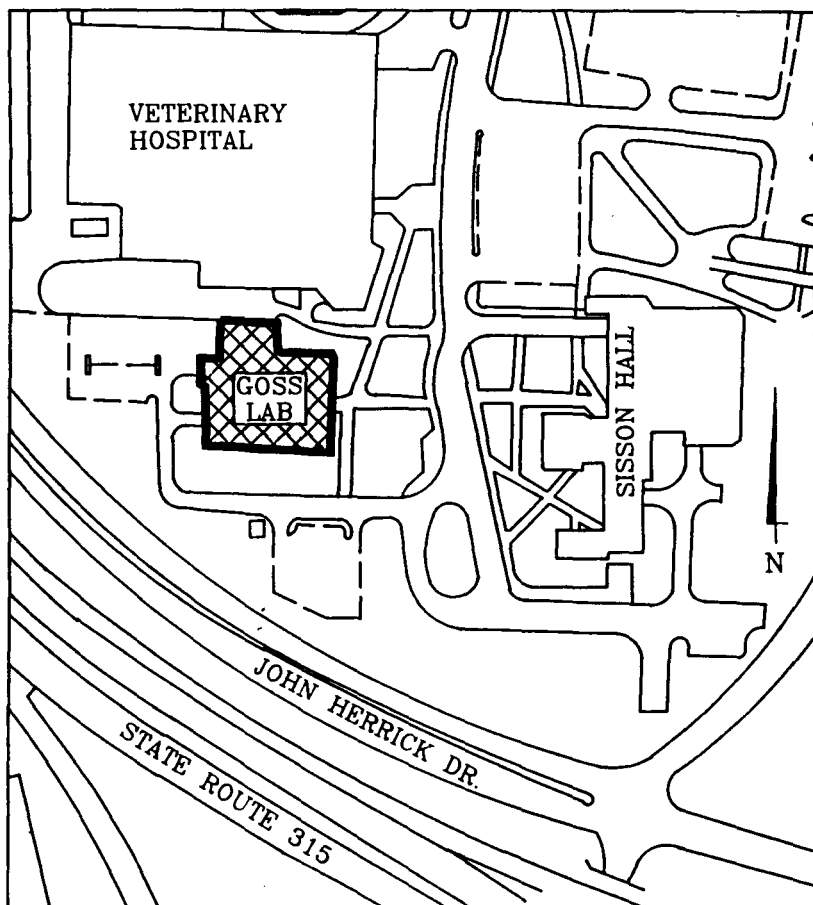
Estimated Project Cost: \$ 158,800.00

# LAZENBY HALL THIRD FLOOR RENOVATION



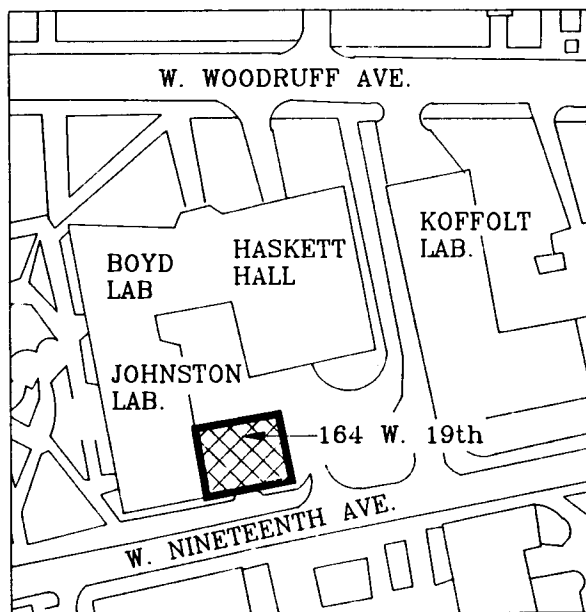
OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

# GOSS LAB RENOVATION (RETROVIRUS CONTAINMENT)



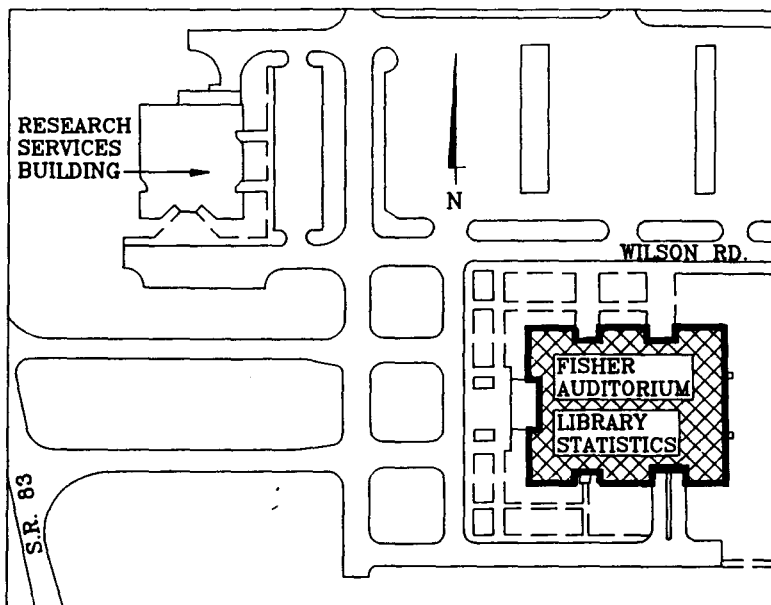
OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

# 164 W. 19th BUILDING ELEVATOR



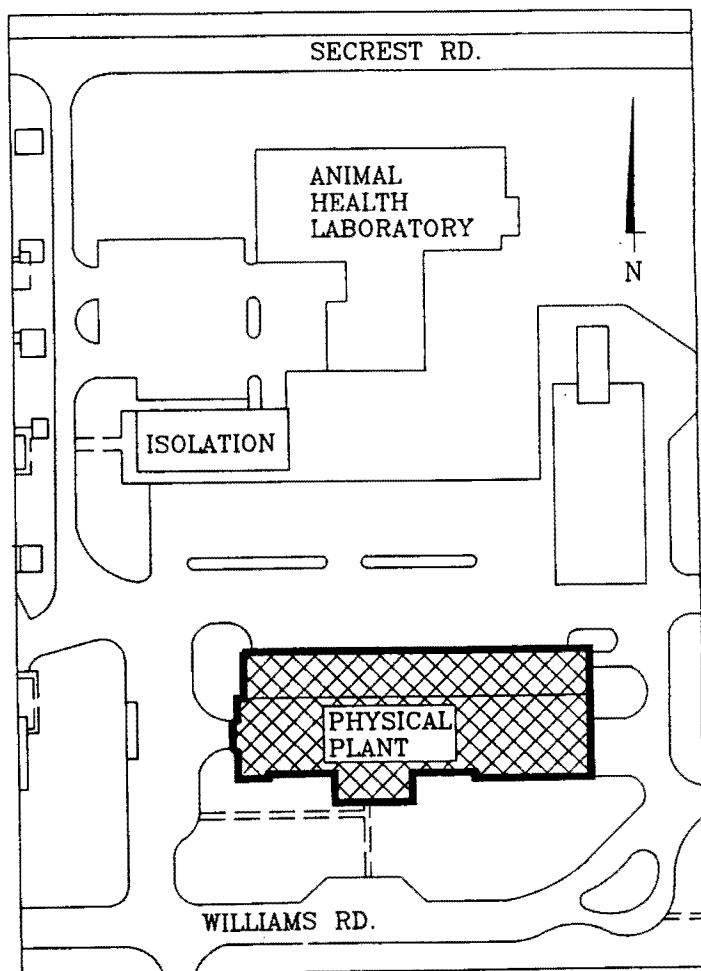
OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

# OARDC — FISHER AUDITORIUM ROOF



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

# OARDC - PHYSICAL PLANT BUILDING ROOF



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

**APPENDIX XVI**

**OARDC - DAIRY MATERNITY AND CALF BARN REPLACEMENT  
MCCRACKEN POWER PLANT - WATER TREATMENT FACILITIES  
MCCRACKEN POWER PLANT - REBUILD HOT WATER HEATING SYSTEMS  
MCCRACKEN POWER PLANT - REPLACEMENT OF STEAM LINES**

**Adopted by the Board of Trustees, September 7, 1990  
(See page 279)**

## **Employment of Architects/Engineers and Request for Construction Bids**

### **Background**

#### **OARDC - Dairy Maternity and Calf Barn Replacement**

This project will provide facilities for housing parturient dairy cows and calves from birth to 26 weeks of age and related support areas and mechanical systems, including a separate hay and bedding storage building, manure handling system, and appropriate ventilating system. These facilities will replace those destroyed in a fire on April 11, 1990.

Funds for this project are available from insurance proceeds and University funds. Construction costs are estimated at \$640,000.00, and the total estimated project cost is \$800,000.00

#### **McCracken Power Plant - Water Treatment Facilities**

This project will provide for utilities replacement to improve the water treatment at the Power Plant. This will involve new equipment, systems layout alterations, and upgrading the Power Plant to meet current EPA standards.

Funds for this project are available from University bond proceeds. Construction costs are estimated at \$2,058,000.00, and the total estimated project cost is \$2,572,000.00.

#### **McCracken Power Plant - Rebuild Hot Water Heating System**

This project will replace the old, deteriorated hot water heating system which services 56 central campus buildings, including pumps, steam turbines which drive the pumps, steam to hot water heat exchangers, and related components.

Funds for this project are available from University bond proceeds. Construction costs are estimated at \$410,000.00, and the total estimated project cost is \$515,000.00.

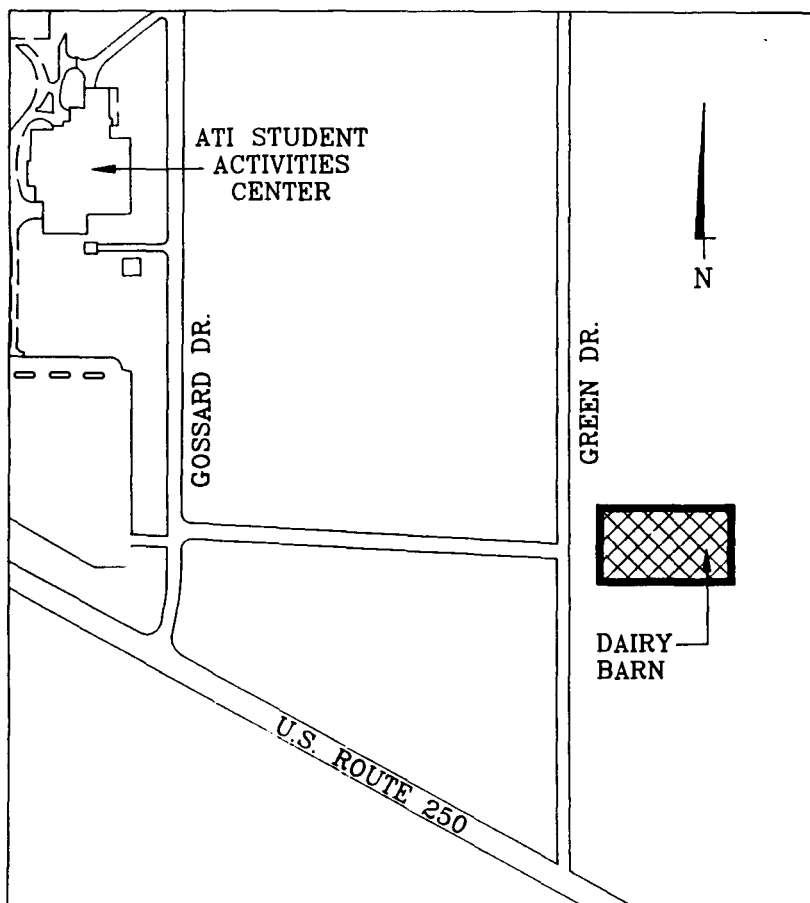
#### **McCracken Power Plant - Replacement of Steam Lines**

This project will replace the deteriorated, direct burial conduit system which supplies steam heat to Newton Hall, Graves Hall, and Prior Health Sciences Library.

Funds for this project are available from University bonds proceeds. Construction costs are estimated at \$236,000.00, and the total estimated project cost is \$295,000.00.

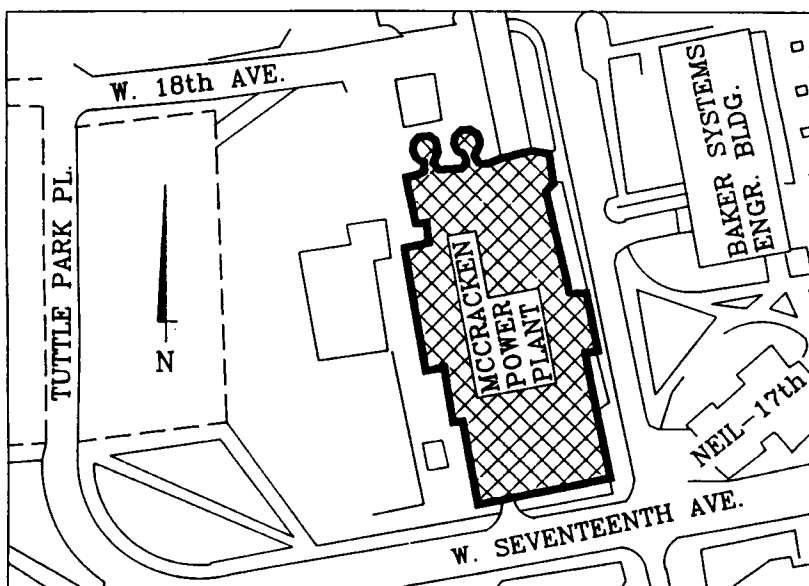


# OARDC - DAIRY MATERNITY AND CALF BARN FACILITY REPLACEMENT



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

- MCCRACKEN POWER PLANT
- REBUILD HOT WATER HEATING SYSTEM
  - REPLACEMENT OF STEAM LINES
  - WATER TREATMENT FACILITY



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

**APPENDIX XVII**

**AMERIFLORA '92 BIOCONTAINMENT FACILITY  
BRIDGE AND STREET IMPROVEMENTS (FAWCETT CENTER FOR  
TOMORROW LOOP ROAD)  
LIMA - PARKING LOT LIGHTING UPGRADE  
MANSFIELD - ROADWAY AND PARKING LOT REPAIRS  
NORTH ATHLETIC COMPLEX PLAYING FIELDS  
COFFEY ROAD INTRAMURAL FIELDS**

**Adopted by the Board of Trustees, September 7, 1990  
(See page 280)**

**Report of Award of Contracts and  
Establishment of Contingency Funds**

(Amounts shown with an \* include accepted alternates.)

**Background**

AmeriFlora '92 Biocontainment Facility  
Bridge and Street Improvements (Fawcett  
Center for Tomorrow Loop Road)  
Lima - Parking Lot Lighting Upgrade  
Mansfield - Roadway and Parking Lot Repairs  
North Athletic Complex Playing Fields  
Coffey Road Intramural Fields

**AmeriFlora '92 Biocontainment Facility**

This project will provide a specialized support facility for receiving, inspecting, monitoring, maintaining, and growing plant materials for the City of Columbus' AmeriFlora '92 International Exposition. The greenhouse and outdoor nursery complex, an inspection quarantine complex, and a service dock area for delivery and handling of plant material, equipment, and supplies are all a part of this project. At the conclusion of the AmeriFlora '92 Exposition, this facility will belong to the University and be used to support research and teaching programs of the College of Agriculture. The total project cost is \$2,225,000.00; funding is provided from House Bill 810. The estimated completion date is May 1991. The contracts awarded are as follows:

General Contract:	Miles-McClellan Construction, Columbus, Ohio
Amount:	\$ 873,500.00
Estimate:	\$ 970,830.00
Plumbing Contract:	Limbach Co./Ro-Dan Mechanical, Columbus, Ohio
Amount:	\$ 195,655.00+
Estimate:	\$ 170,000.00
HVAC Contract:	Limbach Co./Ro-Dan Mechanical, Columbus, Ohio
Amount:	\$ 432,744.00+
Estimate:	\$ 383,500.00
Electric Contract:	Advantage Electric, Columbus, Ohio
Amount:	\$ 353,178.00+
Estimate:	\$ 338,350.00

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

AmeriFlora '92 Biocontainment Facility (contd)

Total All Contracts:	\$1,855,077.00
Moveable Equipment:	\$ 40,202.46
Contingency Allowance:	\$ 92,753.62 (5.0% of construction cost)
Total Project Cost:	\$2,225,000.00

+The Plumbing, HVAC and Electric contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

September 7, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
AMERIFLORA '92 BIOCONTAINMENT FACILITY

Tabulation of Bids

Bids received by State of Ohio, Division of Public Works on May 8, 1990. Bids opened by Geri Hendrickson and tabulated by Elizabeth Foster. Awards indicated with an "A".

<u>General Contract</u>	<u>Estimate</u>	<u>McClellan *</u>	<u>Smoot</u>	<u>Williamson</u>
Base Bid	\$963,150.00	\$865,000.00	\$927,639.00	\$963,000.00
Alt. G-12 (Wire Shelving)	\$7,680.00	\$8,500.00	\$9,200.00	\$9,939.00
Total General Contract	\$970,830.00	\$873,500.00	\$936,839.00	\$972,939.00

Alternates not taken:

Alt. G-4 (Lab. Gas Cooker)	100.00	200.00	450.00	110.00
Alt. G-5 (Lab. Valves)	100.00	200.00	350.00	110.00
Alt. G-1 (Grinse Addition)	71,000.00	39,000.00	51,800.00	48,600.00

<u>Plumbing Contract</u>	<u>Estimate</u>	<u>Limbach/ Ro-Dan *</u>	<u>Village</u>	<u>McClellan</u>
Base Bid	\$170,000.00	\$196,655.00	\$196,615.00	\$197,000.00
Total Plumbing Contract	\$170,000.00	\$196,655.00	\$196,615.00	\$197,000.00

Alternate not taken:

Alt. P-4 (Natural Gas Service)	\$7,500.00	\$5,690.00	\$7,900.00	\$7,000.00
Alt. P-5 (Lab. Compressed Air)	5,000.00	5,507.00	4,600.00	4,000.00
Alt. P-1 (Greenhouse Addition)	3,000.00	6,864.00	2,400.00	6,000.00

Plumbing Contract (Continued)

Mandeville/  
Croson

Base Bid	\$216,489.00
Total Plumbing Contract	\$216,489.00

Alternate not taken:

Alt. P-4 (Natural Gas Service)	\$7,450.00
Alt. P-5 (Lab. Compressed Air)	7,200.00
Alt. P-1 (Greenhouse Addition)	7,950.00

<u>HVAC Contract</u>	<u>Estimate</u>	<u>Limbach/ Ro-Dan *</u>	<u>Mandeville /Croson</u>	<u>Village</u>
Base Bid	\$383,500.00	\$432,744.00	\$461,800.00	\$480,912.00
Total HVAC Contract	\$383,500.00	\$432,744.00	\$461,800.00	\$480,912.00

Alternate not taken:

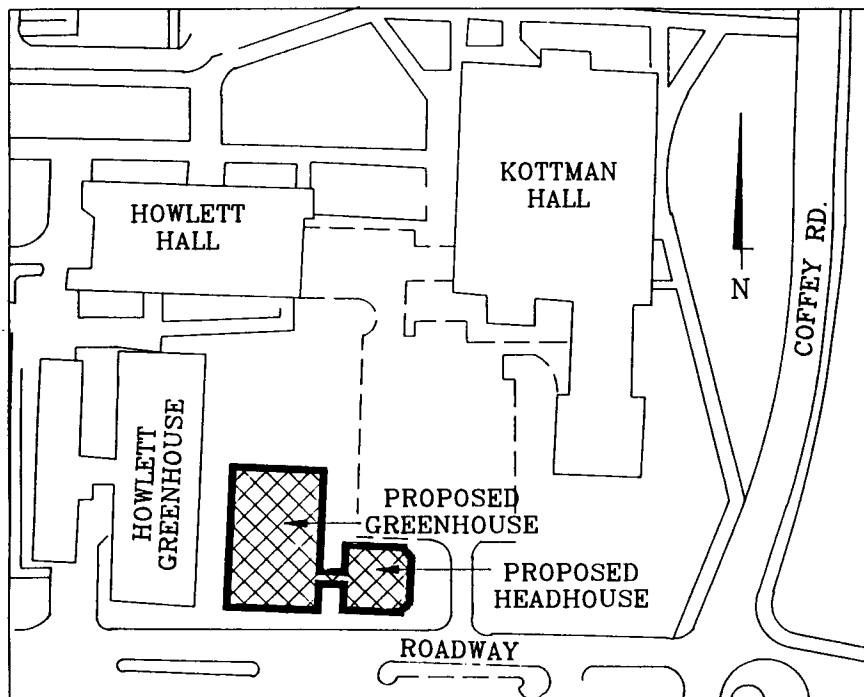
Alt. H-1 (Greenhouse Addition)	\$3,500.00	\$8,261.00	\$11,387.00	\$8,800.00
Alt. H-6 (Andover Temp. Control)	.00	28,590.00	28,780.00	31,770.00
Alt. H-7 (Barber Colman Control)	.00	16,583.00	14,480.00	19,866.00
Alt. H-6 (Priva Computer Control)	.00	3,251.00	2,200.00	9,020.00
Alt. H-10 (Q-Corn Computer Control)	.00	(5,292.00)	(5,900.00)	.00

<u>Electric Contract</u>	<u>Estimate</u>	<u>Advantage *</u>
Base Bid	\$338,350.00	\$353,178.00
Total Electric Contract	\$338,350.00	\$353,178.00

Alternates not taken:

Alt. E-1 (Greenhouse Addition)	\$10,000.00	\$7,930.00
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# AMERIFLORA '92 BIOCONTAINMENT FACILITY



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Bridge and Street Improvements (Fawcett Center for Tomorrow Loop Road)

This project will repair and resurface approximately 4,800 square yards of asphalt paving on the Fawcett Center for Tomorrow Loop Road from Olentangy River Road to Argyll Street. The total project cost is \$50,000.00; funding is provided from House Bill 810. The estimated completion date is September 1990. The contract awarded is as follows:

General Contract:	Decker Construction, Columbus, Ohio
Amount:	\$ 43,440.00+
Estimate:	\$ 42,000.00
Total All Contracts:	\$ 43,440.00
Contingency Allowance:	\$ 5,560.00 (12.8% of construction cost)
Total Project Cost:	\$ 50,000.00

+The General contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.



September 7, 1990

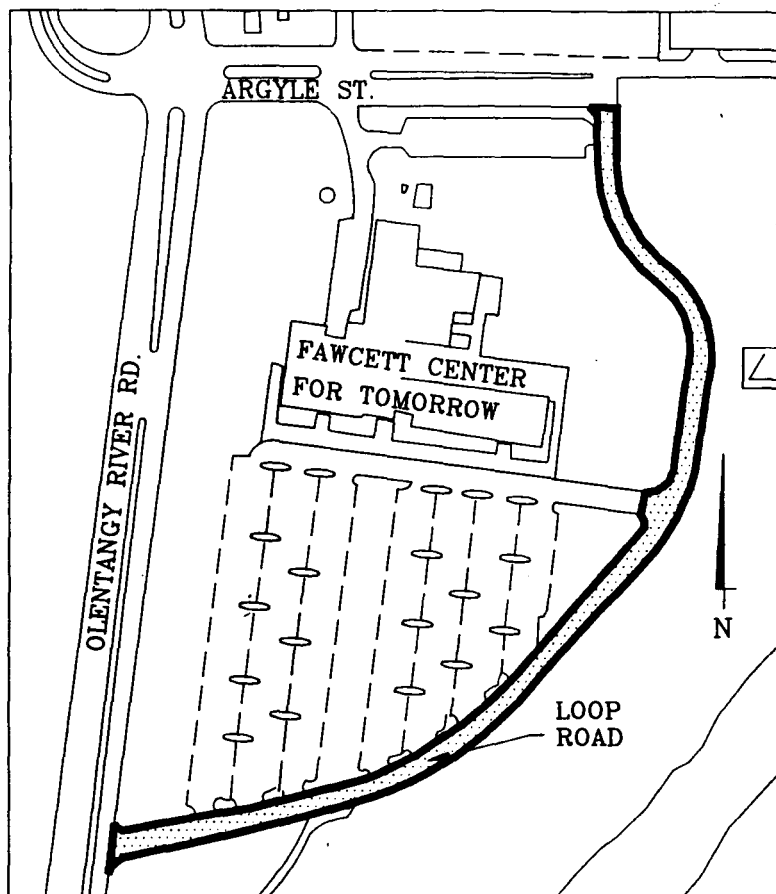
REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
BRIDGE AND STREET IMPROVEMENTS - FAWCETT CENTER FOR TOMORROW LOOP ROAD

Tabulation of Bids

Bids received by The Ohio State University on June 14, 1990. Bids opened by Tamara Bell and tabulated by Ray Yanacik. Awards indicated with an \*\*\*.

<u>General Contract</u>	<u>Estimate</u>	<u>Decker *</u>	<u>State Paving</u>	<u>Cole Asphalt</u>
Base Bid	\$42,000.00	\$43,440.00	\$46,069.00	\$47,970.00
Total General Contract	\$42,000.00	\$43,440.00	\$46,069.00	\$47,970.00
Alternates not taken:				
Alt. G-1 (Berm Construction)	\$8,000.00	\$10,645.00	\$11,200.00	\$14,350.00
Alt. G-2 (Modified Asphalt Overlay)	4,200.00	5,885.00	6,400.00	7,062.00

# FAWCETT CENTER FOR TOMORROW - LOOP ROAD



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Lima - Parking Lot Lighting Upgrade

This project will retrofit 11 parking lot light fixtures on existing poles and rewire circuits that control these fixtures on three separate campus parking lots. The total project cost is \$51,600.00; funding is provided from House Bill 810. The estimated completion date is October 1990. The contract awarded is as follows:

Electric Contract:	Joy Electric, Lima, Ohio
Amount:	\$ 38,500.00*
Estimate:	\$ 47,000.00*
Total All Contracts:	\$ 38,500.00
Contingency Allowance:	\$ 10,600.00 (27.5% of construction cost)
Total Project Cost:	\$ 51,600.00*

September 7, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

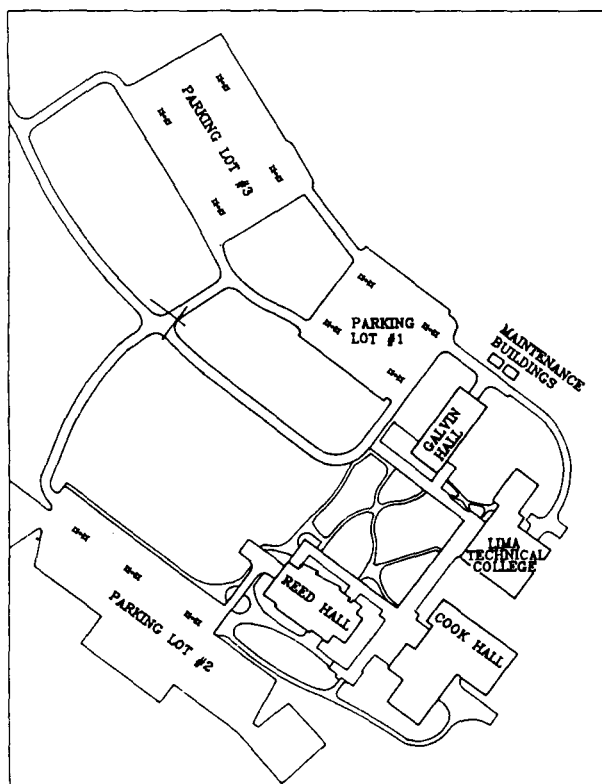
LIMA REGIONAL CAMPUS PARKING LOT LIGHTING UPGRADE

Tabulation of Bids

Bids received by The Ohio State University on May 31, 1990. Bids opened by Tamara Bell and tabulated by Carol Cochran. Awards indicated with an "a".

<u>Electric Contract</u>	<u>Estimate</u>	<u>Joy *</u>	<u>Steiner</u>	<u>Loveridge</u>
Base Bid	\$20,000.00	\$21,900.00	\$34,635.00	\$43,370.00
Alt. E-1 (Parking Lot #3)	9,000.00	12,000.00	10,317.00	8,696.00
Alt. E-2 (Parking Lot #1)	9,000.00	2,600.00	3,232.00	1,810.00
Alt. E-3 (Parking Lot #2)	9,000.00	2,000.00	2,574.00	2,440.00
Total Electric Contract	\$47,000.00	\$38,500.00	\$50,756.00	\$56,316.00

# LIMA REGIONAL CAMPUS PARKING LOT LIGHTING



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Mansfield - Roadway and Parking Lot Repairs

This project will resurface the west entrance drive and parking lot. The total project cost is \$81,257.73; funding is provided from House Bill 810. The estimated completion date is September 1990. The contract awarded is as follows:

General Contract:	Mansfield Asphalt, Mansfield, Ohio
Amount:	\$ 72,923.82*
Estimate:	\$ 101,080.00*
Total All Contracts:	\$ 72,923.82
Contingency Allowance:	\$ 5,833.91 (8.0% of construction cost)
Total Project Cost:	\$ 81,257.73*

September 7, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

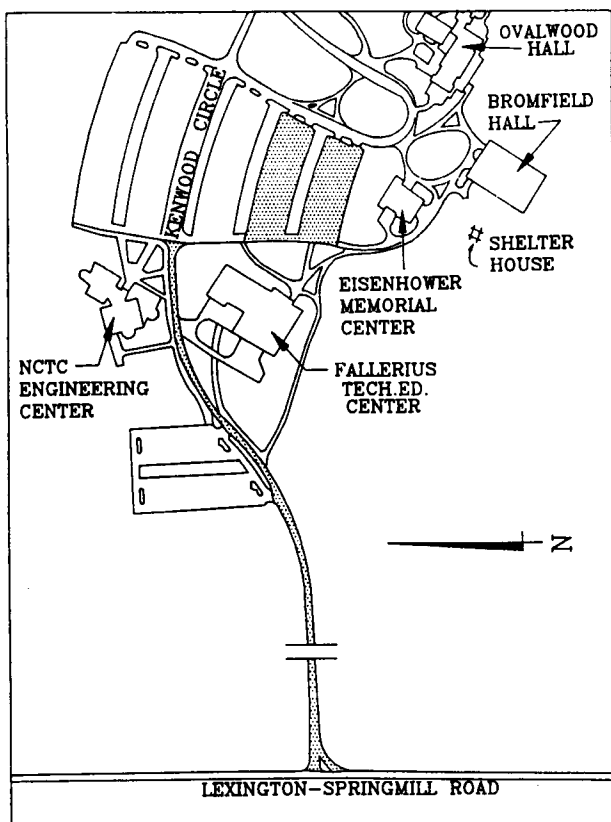
MANSFIELD ROADWAY AND PARKING LOT REPAIRS

Tabulation of Bids

Bids received by The Ohio State University on May 31, 1990. Bids opened by Tamara Bell and tabulated by Carol Cochran. Awards indicated with an "A".

<u>General Contract</u>	<u>Estimate</u>	<u>Mansfield Asphalt*</u>	<u>Kokosing</u>
Base Bid	\$76,825.00	\$57,949.88	\$66,726.60
Alt. G-1 (Parking Lot #1)	9,160.00	8,986.30	9,805.00
Alt. G-2 (Parking Lot #2)	15,095.00	5,987.64	6,135.48
Total General Contract	\$101,080.00	\$72,923.82	\$82,667.08

# MANSFIELD ROADWAY AND PARKING LOT REPAIRS



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990



**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

North Athletic Complex Playing Fields and Coffey Road Intramural Fields

These projects will create two soccer and lacrosse fields and two baseball fields with appropriate drainage west and south of the Woody Hayes Athletic Center and develop the field south of Woody Hayes Drive and east of Coffey Road to include five flag football fields, five softball fields, a small storage building, and restrooms. The total project cost is \$1,094,715.46; funding is provided from University bond proceeds. The estimated completion date is September 1990. The contracts awarded are as follows:

Grading Contract: George Igel Company, Columbus, Ohio

Amount: \$ 214,660.00\*

Estimate: \$ 429,500.00\*

Drainage Contract: Miles McClellan, Columbus, Ohio

Amount: \$ 178,990.00

Estimate: \$ 211,640.00

Fencing Contract: Williamson Builders, Plain City, Ohio

Amount: \$ 67,000.00

Estimate: \$ 120,900.00

Irrigation Contract: Oakland, Columbus, Ohio

Amount: \$ 101,397.00

Estimate: \$ 151,400.00

Storage Building Contract: Gioffe Construction, Dublin, Ohio

Amount: \$ 55,500.00+

Estimate: \$ 35,000.00

Electric Contract: Now Electric, Columbus, Ohio

Amount: \$ 245,800.00 \* +

Estimate: \$ 215,000.00 \*

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

North Athletic Complex Playing Fields and Coffey Road Intramural Fields (contd)

Total All Contracts:	\$ 862,747.00 *
Contingency Allowance:	\$ 69,019.76 (8.0% of construction cost)
Total Project Cost:	\$1,094,715.46

+The Storage Building and Electric contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

September 7, 1990

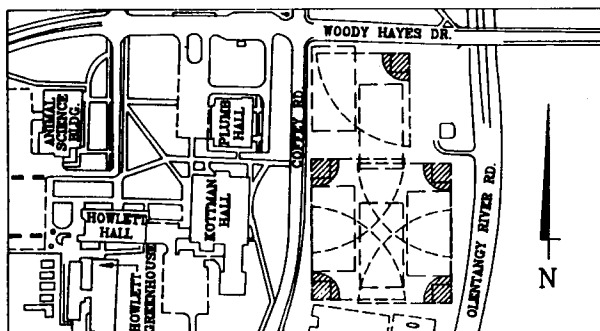
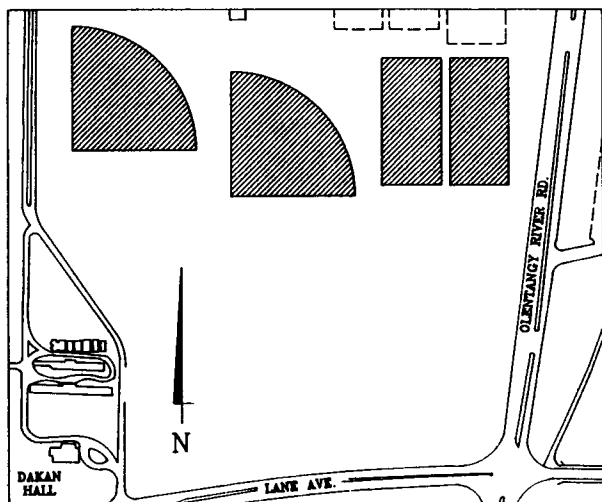
REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
NORTH ATHLETIC FACILITY AND COFFEY ROAD INTRAMURAL FIELDS

Tabulation of Bids

Bids received by The Ohio State University on March 22 and May 24, 1990. Bids opened by Tamara Bell and tabulated by Dwight Stuckey and Ray Yanacik. Awards indicated with an \*.

<u>Grading Contract</u>	<u>Estimate</u>	<u>Igel *</u>	<u>Williamson</u>	<u>Righter</u>
Base Bid	\$419,000.00	\$206,600.00	\$248,000.00	\$252,777.00
Alt. G-1 (Additional Stone)	10,500.00	8,060.00	.00	13,777.00
Total Grading Contract	\$429,500.00	\$214,660.00	\$248,000.00	\$266,554.00
Grading Contract (Continued)	<u>Ohlert</u>			
Base Bid	\$416,048.00			
Alt. G-1 (Additional Stone)	11,000.00			
Total Grading Contract	\$427,048.00			
<u>Drainage Contract</u>	<u>Estimate</u>	<u>McClellan *</u>	<u>Watiker</u>	<u>Mayle</u>
Base Bid	\$211,640.00	\$178,990.00	\$187,097.42	\$230,000.00
Total Drainage Contract	\$211,640.00	\$178,990.00	\$187,097.42	\$230,000.00
Drainage Contract (Continued)	<u>Williamson</u>			
Base Bid	\$248,000.00			
Total Drainage Contract	\$248,000.00			
<u>Fencing Contract</u>	<u>Estimate</u>	<u>Williamson *</u>	<u>McClellan</u>	<u>Watiker</u>
Base Bid	\$120,900.00	\$67,000.00	\$74,850.00	\$87,402.00
Total Fencing Contract	\$120,900.00	\$67,000.00	\$74,850.00	\$87,402.00
Fencing Contract (Continued)	<u>Singer</u>	<u>Minor</u>		
Base Bid	\$92,258.25	\$95,861.00		
Total Fencing Contract	\$92,258.25	\$95,861.00		
<u>Irrigation Contract</u>	<u>Estimate</u>	<u>Oakland *</u>	<u>Ohlert</u>	<u>Green Magic</u>
Base Bid	\$151,400.00	\$101,397.00	\$107,400.00	\$119,860.00
Total Irrigation Contract	\$151,400.00	\$101,397.00	\$107,400.00	\$119,860.00
Irrigation Contract (Continued)	<u>Buck &amp; Sons</u>			
Base Bid	\$167,200.76			
Total Irrigation Contract	\$167,200.76			
<u>Storage Building Contract</u>	<u>Estimate</u>	<u>Gioffre *</u>	<u>Ed Ross</u>	<u>GHM</u>
Base Bid	\$35,000.00	\$55,500.00	\$64,670.00	\$65,492.00
Total Storage Building Contract	\$35,000.00	\$55,500.00	\$64,670.00	\$65,492.00
<u>Electric Contract</u>	<u>Estimate</u>	<u>Now *</u>	<u>Advantage</u>	
Base Bid	\$175,000.00	\$216,600.00	\$221,989.00	
Alt. E-1 (Additional Lighting)	40,000.00	29,200.00	40,579.00	
Total Electric Contract	\$215,000.00	\$245,800.00	\$262,568.00	

# NORTH ATHLETIC FACILITY AND COFFEY ROAD INTRAMURAL FIELDS



OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990

**APPENDIX XVIII**

**133.86 ACRES IN PIKE COUNTY, OHIO, FOR THE  
AGRICULTURAL MANAGEMENT SYSTEMS EVALUATION AREA PROJECT**

**Adopted by the Board of Trustees, September 7, 1990  
(See page 282)**

## **Lease of Land and Research Agreement**

### Background

133.86 Acres in Pike County, Ohio, for the  
Agricultural Management Systems Evaluation Area Project

### Description and Location of Property

The property consists of approximately 133.86 acres of farmland in Pike County, Ohio, located in the southwest quadrant of the intersection of U.S. Routes 23 and 124. The property is approximately two miles west of the University's Piketon Research and Extension Center and two miles south of the City of Piketon. The property is part of the 650-acre Vanmeter Farm, owned by Helen J. Vanmeter, John I. Vanmeter, and Emma C. Vanmeter.

### Description of Research Program

The U.S. Department of Agriculture's Midwest Water Quality Research Initiative makes Federal funds available to set up research areas to evaluate crop production systems that are economically feasible and minimize contamination of water resources - particularly groundwater - from agricultural fertilizers and pesticides. In March 1990, USDA announced that it would accept the University's proposal for a buried valley aquifer site near Piketon as one of five Management Systems Evaluation Areas. (The other four sites are in Iowa, Minnesota, Missouri, and Nebraska.) This multi-agency project will involve approximately \$6-8 million over the first five years, with the University receiving \$2 million from USDA and \$1 million from the State of Ohio. The program will involve the USDA, the U.S. Geological Survey, the State of Ohio, as well as Ohio State's College of Agriculture, including OARDC and the Cooperative Extension Service. The project will be coordinated through the University's Department of Agricultural Engineering.

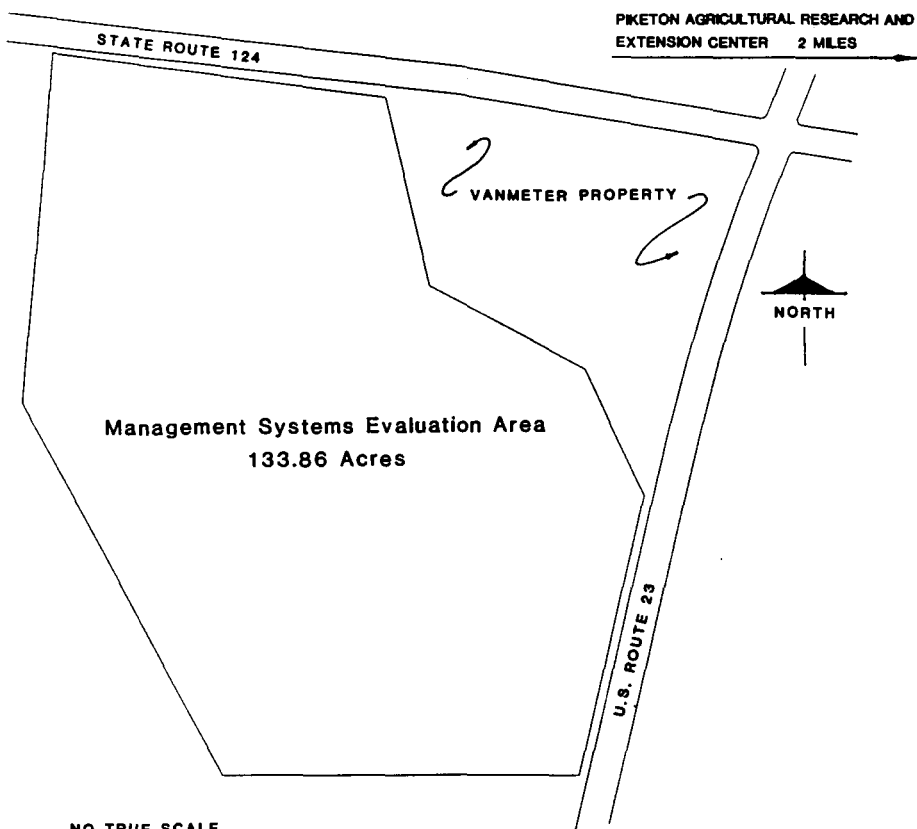
This research program will examine different farming systems and compare varying degrees of chemical use; monitor an extensive network of groundwater wells; and evaluate new and improved farming system components. The objectives are improved agricultural management systems, especially with regard to groundwater contamination and water quality impacts, and development of educational programs to promote improved agricultural management.

The Piketon site was selected for this research project because the aquifer has a supply potential of 1.5 billion gallons per day and is typical of Midwest aquifers; there is extensive hydrological and management information available regarding the site; surface water and groundwater systems in the area have been impacted by agriculture; and the site is close to the University's Piketon Research and Extension Center.

### Terms of the Lease and Research Agreement

The lease is for a term of five years, with three renewal options for five years each. The annual fee is \$20,079.00 which includes lease of the 133.86 acres, use of adjacent Vanmeter Farm lands for installing and monitoring wells and doing soil and water testing, and consulting services to be provided by the Vanmeter Farm management. If Federal funds for the program are cancelled, the University can terminate the lease upon 30 days written notice.

**Lease of Property for  
Management Systems Evaluation Area  
Pike County, Ohio**



**OFFICE OF BUSINESS AND ADMINISTRATION  
SEPTEMBER 7, 1990**

Page 360 Blank



**APPENDIX XIX**

**0.83 ACRE ON SAWMILL ROAD, COLUMBUS, OHIO**

**Adopted by the Board of Trustees, September 7, 1990  
(See page 282)**

## **Sale of Real Property**

### **Background**

0.83 Acre on Sawmill Road  
Columbus, Ohio

### **Description and Location**

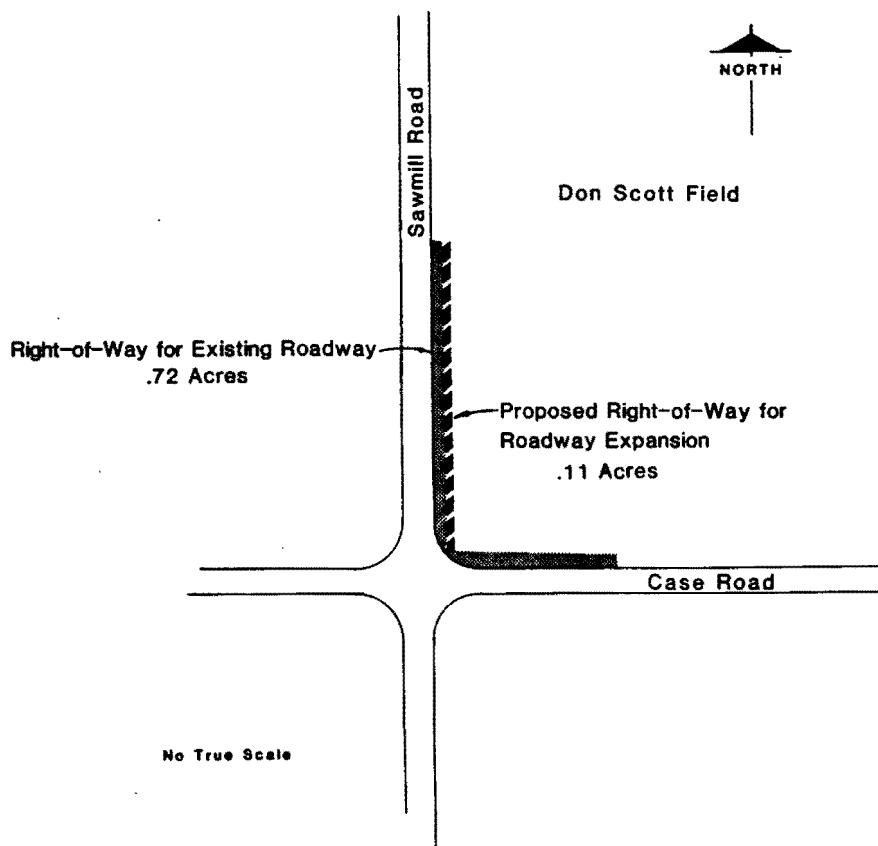
As a part of its land holdings in the Don Scott Field area, The Ohio State University owns the parcel at the northeast corner of the intersection of Case and Sawmill Roads. The land involved in this proposed sale consists of two tracts totalling approximately 0.83 acre located along the west side of the property. The first tract is approximately 0.72 acre that currently forms part of Sawmill Road. When the University acquired the property in 1972, the current roadbed already existed, but no road right-of-way easement had ever been executed. The second tract is approximately 0.11 acre located immediately to the east of the existing right-of-way and used for University farming operations. Title to both tracts is in the name of the State of Ohio for the use of The Ohio State University.

### **Proposed Sale**

The City of Columbus desires to purchase the 0.11 acre tract to provide land for the widening of Sawmill Road, as part of the City's Bethel Road Improvement Project, Phase III. The City also desires to convert the permanent easement for the existing right of way on the 0.72 acre tract into a fee simple ownership. An MAI appraisal done for the City in June 1989, by HER Appraisal Services valued the 0.11 acre tract at \$2,000.00, plus \$300.00 for a temporary construction easement for a strip of land adjacent to the east, and \$10.00 for a permanent road occupancy payment to transfer to the City fee simple ownership for the existing right of way on the 0.72 acre tract. A "Desk Review" appraisal done by Nash Wilson Associates for the University in March 1990, concurred with this valuation. The City of Columbus has offered to pay the total amount of \$2,310.00. The proceeds of the sale would be deposited in an account to support future land acquisitions.

Because title to the property is held in the name of the State of Ohio, sale is subject to the approval of the Ohio General Assembly through an act authorizing the Ohio Department of Administrative Services to sell the property to the City on the University's behalf.

**Proposed Sale of Land for Right-of-Way  
at Sawmill and Case Roads  
to the City of Columbus**



**Office of Business and Administration  
September 7, 1990**

Page 364 Blank

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND TWO HUNDRED AND SIXTY-SIXTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, October 5, 1990

The Board of Trustees met at its regular monthly meeting on Friday, October 5, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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Minutes of the last meeting were approved.

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October 5, 1990 meeting, Board of Trustees

The Chairperson, Mrs. Bowser, called the meeting of the Board of Trustees to order on October 5, 1990, at 11:45 a.m. She requested the Secretary to call the roll.

Present: Shirley D. Bowser, Chairperson, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, Milton A. Wolf, Leslie H. Wexner, Alex Shumate, Theodore S. Celeste, Sophia L. Paige, and David A. Tonnies.

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## **PRESIDENT'S REPORT**

President Gee:

Madam Chairperson, Members of the Board, since we last met, the pace of the University has quickened with the opening of the Autumn Quarter. More than 10,000 students have moved into residence halls and thousands of others into near campus apartments, rooming houses, and fraternity and sorority houses. We welcomed 235 new faculty members to the campus.

To give you an idea of the activity during the opening of Autumn Quarter at some of the typical pressure points:

-- Traffic and Parking this year sold 14,917 "C" stickers to students -- and those people are at this moment driving around looking for a parking space.

-- The Office of the Treasurer distributed 9,387 student loan checks and 60,857 fees have been paid.

-- The new University Bookstore, which by the way is a marvelous addition to this campus, experienced a 15 percent increase in the sale of textbooks over the same period last year, which gives me great pleasure. I am glad it was textbooks and not T-shirts.

I have had a chance to get out and see the beauty of the Columbus campus in the fall, and also the wonderful facilities at our Mansfield Campus and at Stone Lab on Lake Erie. I was literally overwhelmed by the fantastic Farm Science Review. This is, by the way, an amazing, important, and significant exposition and a real point of pride for Ohio State and the State of Ohio. It is clear that this University touches all parts of the State and, indeed, the world.

Upon visiting our many friends in Cleveland, I became even more excited about the increased presence of Ohio State in that community through the possibility of an affiliation with the Cleveland Clinic and many other ties we have and can nurture in that area. And I want, today, to thank Ambassador and Mrs. Wolf, who were gracious in providing an opportunity for me to meet many of the folks who are in support of this University, and in whom we take pleasure in having the opportunity to get to know in a most gracious way. Thank you, very much. I really do appreciate that. By the way, if you want to have a heck of a party, just have him throw it!

At the International Students Orientation Picnic, I met Ohio State students from all over the world. I say from all over the world, and I was struck by how this truly is an international university.

Also making news around the campus:

## PRESIDENT'S REPORT (contd)

President Gee: (contd)

Today, the third exhibition at the Wexner Center for the Visual Arts opens to the University community and tomorrow to the public. "New Works for New Spaces" marks another landmark for the Center, as works were commissioned specifically for the Center. I hope that each of you in this room and those who are involved with the University and the wider community will visit the exhibit between now and January 6.

Also, today marks the beginning of Disability Awareness Week. The University has a very rich tradition of accessibility and enrolls a number of students having special physical needs or learning disabilities. I visited the Office of Disability Services, and was very impressed with the services available to more than 800 students -- from talking computers to reading machines.

This weekend one of the largest patient reunions ever held in Central Ohio will occur when more than 800 people attend a reunion of patients cared for during the past 10 years at Dodd Hall. This is all the more significant inasmuch as recently U.S. News and World Report named Dodd Hall one of the nation's best rehabilitation hospitals.

One of the very exciting student activities of the quarter has been the "Just Say Hi" Program, initiated by Phi Beta Sigma Fraternity and the African American Heritage Committee. Several thousand buttons -- and several of the folks in the audience are wearing them today -- have been passed out bearing the slogan "Just Say Hi." I think this is a significant contribution by an important group for this University.

The purpose of this program is to increase the sense of community and to make students, particularly minority students, feel more welcomed and feel part of The Ohio State University family. This is a terrific idea, and I hope that it challenges other students groups, faculty, and administrators to initiate activities that will add to this goal of increasing the sense of community on campus.

Finally, two major issues have been in the forefront as we open the school year: personal safety and intolerance. As you all are aware, there is substantial concern for the safety of students on campus and in the near campus area. While crime statistics for the campus show a decline in crime over the past few years, the perception, at least, and certainly several incidents from the on- and off-campus areas indicate that we must heighten our efforts of education and at crime prevention.

A number of things are underway, including close work with the city to address the near campus problems and efforts led by University Public Safety personnel to make the campus safer. From foot patrols to improved lighting, many actions have been taken. I personally have been out a number of times over the past several weeks to visit areas of the campus and off-campus activities, and I can assure you that we are undertaking efforts to make certain that safety is a primary concern. I want all of you to know that this is a matter of high priority, and one that I believe that we can more effectively address.

In terms of the second issue, I want to express my deepest concern about behaviors that can be described as acts of intolerance and hate. Whether it is graffiti or a violent attack on a person, such instances simply will not be tolerated at this University. In a community of scholars, where the values of free and open exchanges of ideas and opinions is celebrated, there is no room nor will there ever

### **PRESIDENT'S REPORT (contd)**

President Gee: (contd)

be room for such actions. It is my fervent hope that we can encourage and nurture at this University a climate of civility and a true sense of community among our students, faculty, and staff. Only in such an environment can the goals of this institution be met.

With that, Madam Chairperson, I submit to you my first report of my first month.

Mrs. Bowser:

Thank you, very much. And on behalf of the Board, I only worry about you and the amount of activity that you are doing. Every time I pick up the paper or I read a communication from the University, Dr. Gee has been involved in greeting and learning.

President Gee:

Actually, Madam Chairperson, I brought three winners of the "E. Gordon Gee Look Alike Contest" with me.

Mrs. Bowser:

Well, we certainly appreciate all of your efforts.

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### **RESEARCH FOUNDATION REPORT**

Ms. Casto:

Yesterday, the Research Foundation Board of Directors met and I will just highlight some of the activities that went on in the past fiscal year.

Twenty-eight hundred proposals were submitted through the Research Foundation and a record total of 1,442 awards, valued at \$125.3 million, were received during the year. This is an increase of 8.5 percent over the prior year. Funding from the National Institutes of Health and the National Science Foundation, two barometers of peer reviewed research for universities, increased approximately 14 percent from the previous year.

The Research Foundation supported over 100 faculty visits to sponsoring agencies last year. Information on approximately 20,000 funding opportunities were distributed to faculty. A new database service for graduate students enabled the Research Foundation to conduct over 400 funding searches for them as well.

Also made part of the Research Foundation this past year, was the University's new Technology Transfer Office and within the last few weeks its first director was identified. This signals the University's move into a more aggressive marketing of inventions made by its researchers. While there is room for considerable growth in the transfer of university-conceived inventions, it should be noted that OSU is already a leading institution in royalty income from patent and licensing activity.



## RESEARCH FOUNDATION REPORT (contd)

Ms. Casto: (contd)

During the last year, OSU researchers filed almost 50 disclosures and the University received over \$2.1 million in royalty income.

I would like to close by highlighting two awards received during the month of August:

\$160,000 from the U.S. Department of Education to the Department of Educational Theory and Practice and the Department of Mathematics for a technology-enhanced mathematics project. This project will provide an intensive in-service experience for 144 high school teachers from around the country to prepare them to use a computer and calculator approach to teaching and learning calculus. This approach has attracted funding from the National Science Foundation, the Ohio Board of Regents, and BP America.

\$50,000 from the State of Ohio to the Cooperative Extension Service for a recycling education program. Consumers are barraged with information and misinformation on waste management. What do the words "recyclable" and "recycled" really mean? What is meant by environmentally-safe plastic? An educational series will be developed by this program for consumers, retailers, manufacturers, and environmentalists to help create a rational approach to solid waste management in our society.

That concludes my report.

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## HOSPITALS BOARD COMMITTEE REPORT

Mr. Teaford:

Thank you, Madam Chairperson. On Thursday, September 27, the Administrative/Operations Committee, Executive Committee, and Professional Affairs/Education/Research Committee of the Hospitals Board met.

The Administrative/Operations Committee had a full agenda. The Committee authorized Hospitals Administration to submit a Certificate of Need application to renovate and expand the facility for the Surgical Intensive Care Unit to 17 additional beds for a total of 38 SICU beds. This will support both University Hospitals and The Arthur G. James Cancer Hospital and Research Institute which has no ICU of its own. The expanded SICU would be located on the fourth floor of a three-story addition on the top of the existing Medical Logistics Facility. Those of you familiar with the Hospitals will understand how something could be on the fourth floor of a three-story addition. The reason for this location is that the operating rooms of both facilities are on the fourth floor and the Department of Health will not grant a Certificate of Need unless the ICU is on the same floor as the operating rooms. The two floors underneath the SICU will be shelled-in space, which will be assigned only with the review of the Hospitals Board. The \$10 million cost of this project is included in the Hospitals' five-year capital plan.

## HOSPITALS BOARD COMMITTEE REPORT (contd)

Mr. Teaford: (contd)

During the same meeting, the Committee also authorized submission of a Certificate of Need for an addition of five bassinets to the Neonatal Intensive Care Unit. University Hospitals is currently licensed for 32 intensive care bassinets. The NICU is very crowded and is regularly in excess of 100 percent of capacity. In order to accommodate additional bassinets and upgrade the Women and Infants facilities, these functions will be relocated into other areas, requiring renovation to those areas as well as the NICU. The total cost of these four projects will be \$500,000 and is included in the capital plan. And I might note that part of those are on the agenda today.

An important fact that all of us should be aware of is that with these allocations the Hospitals has in effect allocated all of its capital funds and there are no capital funds available for further capital projects in the Hospitals. As soon as the Certificate of Need is acquired on the SIUC, that will then come to this Board.

The Administrative/Operations Committee also heard about new programs, three in particular, all designed to increase the income of the Hospitals. The first is a program with a company called Optifast. I might say, this contract was reached by competitive bidding. This will set up a diet program for significantly obese persons.

The second is the Sports Medicine Program which is going to be set up in the Camera Center. You may remember, as part of our contract to operate the Camera Center for the State, we were given two sections to use for our own facilities, and the Sports Medicine facility will be set up there. There is probably no finer facility for sports medicine in the State, and we are able to use the entire facility including all of the track and swimming pool and all those other facilities. I think you will find that will be a significant moneymaker for us.

And finally, the Stoneridge facility which is located in the northwest part of the city is going to have established within it a rehabilitation unit. As Dr. Gee mentioned earlier, we have perhaps the finest program in rehabilitative medicine in the United States. This will allow us to expand our services in that area to further outpatient care at the Stoneridge facility.

We also received updates on all of the Certificates of Need which are out there with the Department of Health. We were informed about financial benefits realized through membership in the University Hospitals Consortium. It is important to note that not only are we trying to find ways to enhance income, but indeed we saved over \$800,000 last year by purchasing through this Consortium of University Hospitals around the country.

We also heard a progress report on the implementation of recommendations to enhance operations of the Hospitals' Clinic. If you have not been in the Clinic of late, you will be pleasantly surprised to find the significant enhancement of patient services.

## HOSPITALS BOARD COMMITTEE REPORT (contd)

Mr. Teaford: (contd)

The Executive Committee was pleased to welcome President Gee to his first meeting as a Hospitals Board member. The Committee approved the actions on the SICU and NICU Certificates of Need and received the financial and statistical report for the month of August. The Hospitals activity and net income during July and August were much higher than budgeted, largely because few patients were transferred to the Cancer Research Hospital at this point and, therefore, remained at University Hospitals. The net income was \$2.2 million verses a budgeted \$1.9 million. The cash balance improved and indeed the patient accounts receivable also declined by four days. In all of those areas there were significant pluses.

The Committee received updates on the Hospitals Volunteer Program, public relations, and development activities. Mr. Fraley reported that the annual Wyatt Company review confirmed that the Self-Insurance Fund is actuarially sound and recommended no additional contributions need be made to that fund this year. Although University Hospitals continue to test the market for the availability of excess insurance, it remains cost-prohibitive at this time.

The Committee also learned that the claims paid through settlement or verdict during the past fiscal year totalled only \$17,000. I might add that the legal fees were significantly in excess of that, and this is in large part because the Hospitals and the University has a policy of not settling claims for which we feel there is no liability. That does obviously enhance legal fees, but I think also results in such small verdicts as \$17,000.

Mrs. Bowser:

I would expect you to defend your fellow attorneys, Mr. Teaford.

Mr. Teaford:

Legal fees are not always a good investment, but these seem to be. Dr. Drago, Chairman of the Central Billing Committee, reported on progress toward developing a single, combined physician's bill for our patients. And I think I shall soon be able to report to our former Chairman, Mr. Redman, that we've got his project finally taken care of.

Mr. Jerry Maier reported that major elements of the Near East Side Project, formally known as the Mt. Vernon project, should be in place no later than January 1, 1991. This is really in the land-grant tradition of the University, not simply to take agricultural services to the community, but, in this case, to take medical services to the near east side of Columbus. These services will include a program for the prevention of pre-term birth, nursing and dietetic services for the elderly, and various types of monthly health screenings and trainings for care givers. We will be using existing facilities on the near east side, including the Second Baptist Church, and will be cooperating with existing organizations such as Life Care Alliance, in provision of the services for the elderly.

### **HOSPITALS BOARD COMMITTEE REPORT (contd)**

Mr. Teaford: (contd)

Lastly, the Professional Affairs Committee received confidential reports on Quality and Resource Management, with one report being our regular hospital-wide report and the other being specific to the Department of Obstetrics and Gynecology. This is a program which has developed over the last couple of years and is now firmly in place. What we were able to learn in that Executive Session is that the high quality of care at our Hospitals is statistically measurable and is indeed there.

The Committee reviewed and approved the Annual Quality and Resource Management Plan for fiscal 1990-91. Dr. Mekhjian and Dr. Smead commented on medical staff activities, and Mr. Fraley reported that the accreditation survey of Dodd Hall, meaning the rehabilitation area, appeared to be quite successful. The formal report from the Commission on Accreditation of Rehabilitation Facilities is expected in approximately six months. I am satisfied, having taken part in that, that we will receive very high praise as a result of that report. The accreditation visit from the Joint Commission on Accreditation of Healthcare Organizations will take place November 6-9, and preparations are underway to ensure that this survey will also be positive.

I would also remind the Board Members that we will be meeting jointly with the Hospitals Board on December 5, and I hope that you will all be there. I am sure that this will be a highly substantive meeting, in contrast to past meetings, and especially given some of the financial circumstances of the Hospitals that I alluded to before. I hope that we will all be there. Thank you, Madam Chairperson, that completes my report.

Mrs. Bowser:

Thank you, Mr. Teaford. As the Chairperson, I want to thank each of you for representing the Board of Trustees at these important meetings. I know it takes time from your busy schedule. We appreciate it.

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### **INVESTMENTS COMMITTEE REPORT**

Mr. Teaford:

The Investments Committee met both yesterday afternoon and this morning. This morning we heard a report on the Endowment Portfolio, and not surprisingly, given the state of the market, it is down some \$6 million from my last report to you, and \$29 million down since June 30. Those numbers are low because of offsets due to some additions of \$3.5 million in the last month, and \$5.6 million since June 30.

Of our equity managers, only Nicholas-Applegate and Siebel are ahead of the average. On the fixed income side the University's Ginnie Mae portfolio, Duff and Phelps are the only ones above the Shearson Lehman average. I might point out that W.R. Lazard which was hired to match that average has done so.

(See Appendix XX for complete context of The Ohio State University Endowment Summary, September 21, 1990, page 427.)

## **INVESTMENTS COMMITTEE REPORT (contd)**

Mr. Teaford: (contd)

We also had the Quarterly Endowment Performance Report and I would commend that to your reading. It does outline how the moneys of the endowment have been expended. I won't go into that, but would recommend that you take a look at that pie chart. This is, interestingly enough to note, the worse period of endowment shrinkage in recent times. But I am satisfied that it is due entirely to the market. Though, when we added the EAFE and the small cap funds to the investments of the University, we probably did it at the worse possible time, because we did it at the top of the market. So that has contributed to the decline somewhat. We must always, when we look at that Endowment Fund, remember that we are in it for the haul that is longer than any of us, and small whips like that do not effect the University in the long run.

Projections for 1991 are that some \$16 million will be distributed from match funds as opposed to some \$14.8 million last year. We also looked at the comparison of the 1, 3, 5, and 10-year performance of the fund, and of all of those, the fund has significantly exceeded the goal, namely of beating inflation. Ranging from 2 to 3 times more earnings than the inflation in the period.

(See Appendix XXI for complete context of The Ohio State University Quarterly Performance Comparison Reports, September 21, 1990, page 439.)

We also had a report on a proposed revision to the report that you now get about the Endowment Fund. In the future the report will include the entire investment pool, including the University Foundation and Transportation and Research Center funds. So you will note this in your report next month.

Finally, at this morning's meeting Mr. Shkurti reported on the Audit of Campaign Contributions. Most significant of those is that the expenditures over the life of the Campaign was \$1.1 million below budget, resulting then to a cost of \$.10 per dollar collected, as opposed to the projected \$.11.

Now I need to report to you on yesterday's meeting. We met with all five fixed income managers of the University. We are extremely pleased with the performance of the managers which we are recommending for 1991. Despite the difficulties of the current markets and such they are doing very well. I would point out, in particular, to you that W.R. Lazard which was hired last year, as I said, to replicate the Shearson Lehman Index was indeed only 1/100th of a percent off from that index and that was on the plus side.

We are, as a result of that meeting, recommending the following resolution:

### **REAPPOINTMENT OF FIXED INCOME INVESTMENT ADVISORS**

Resolution No. 91-33

**Synopsis:** The Investments Committee recommended the Reappointment of Fixed Income Investment Advisors.

**WHEREAS** it is the policy of The Ohio State University to utilize the services of external Investment Advisors to assist in the management of the University's Endowment Fund; and

October 5, 1990 meeting, Board of Trustees

**REAPPOINTMENT OF FIXED INCOME INVESTMENT ADVISORS (contd)**

WHEREAS the Investments Committee of the Board of Trustees periodically reviews the results obtained by the external Investments Advisors and the amount of funds assigned to each of them; and

WHEREAS the Investments Committee has also directed the Treasurer to maintain University Managed funds which primarily consist of gifts; and

WHEREAS the number of external Investment Advisors and the amount of funds assigned to them and the Treasurer shall be determined by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That upon the recommendation of the Investments Committee of the Board of Trustees the following named external Fixed Income Investment Advisors shall be reappointed to counsel in the management of Endowment Fund Investments totaling the initial amounts indicated:

	<u>Initial Amounts</u>	<u>Market Value as of 9/21/90</u>
Boatmen's Trust Company	\$25,000,000	\$23,329,632
Duff and Phelps Investment Management Company	\$10,000,000	\$10,142,463
W.R. Lazard and Company (Index Fund)	\$10,000,000	\$ 9,888,684
STW Fixed Income Management, Inc.	\$25,000,000	\$23,393,709
University Managed*	\$ 435,813	\$ 289,044
University Managed (GNMA's)	\$10,000,000	\$10,088,124

\*Varies with receipt and sale of gifts.

Mr. Teaford:

I just want to add one thing. You will note that under both Boatmen's and STW they show initial amounts of \$25 million. If you read that, you would think that they had lost money, indeed only \$20 million has ever been allocated to them to date and so as part of this we continue the recommendation from last year that they do receive an additional \$5 million when that is available.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ACADEMIC AFFAIRS COMMITTEE REPORT**

Mr. Kessler:

The Academic Affairs Committee met this morning and received a very interesting report from Dr. Richard Hill on the Development Initiatives in the Colleges. The Committee is recommending the following resolutions:

**NAMING OF NEW WING**

Resolution No. 91-34

Synopsis: The Academic Affairs Committee recommended the naming of a new wing to be constructed at the northwest corner of Campbell Hall in honor of Geraldine Schottenstein.

WHEREAS the Board of Trustees has authority in naming of all buildings and structures at The Ohio State University, as set forth in paragraph (F) of rule 3335-1-08 of the Administrative Code; and

WHEREAS an addition to the building located at 1787 Neil Avenue and known as Campbell Hall is to be constructed to house The Ohio State University's College of Human Ecology historic costume and textiles collection, exhibition gallery and curator space; and

WHEREAS it has been proposed that the new wing be named in honor of Mrs. Jerome (Geraldine) Schottenstein to recognize the substantial support provided to this project by Jerome Schottenstein; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the new wing to be constructed at the northwest corner of Campbell Hall be named "The Geraldine Schottenstein Wing of The Historic Costume and Textiles Collection":

NOW THEREFORE

BE IT RESOLVED, That hereafter the new wing on the northwest corner of Campbell Hall shall be named "The Geraldine Schottenstein Wing of The Historic Costume and Textiles Collection."

Upon motion of Mr. Kessler, seconded by Amb. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**THE LEONARD J. IMMKE, JR. AND CHARLOTTE L. IMMKE  
CHAIR IN CANCER RESEARCH**

Resolution No. 91-35

Synopsis: The Academic Affairs Committee recommended changing the "Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research Fund" to "The Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research" is proposed.

WHEREAS in accordance with the guidelines previously established by this Board, the "Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research Fund" was established on June 7, 1985; and

October 5, 1990 meeting, Board of Trustees

**THE LEONARD J. IMMKE, JR. AND CHARLOTTE L. IMMKE  
CHAIR IN CANCER RESEARCH (contd)**

WHEREAS at the time of the establishment of the endowed fund it was agreed that the fund be redesignated "The Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research" when the level of funding reached \$1,250,000; and

WHEREAS the level of funding has now reached the level required through unexpended earnings on the original investment:

NOW THEREFORE

BE IT RESOLVED, That the "Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research Fund" be changed to "The Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research."

Upon motion of Mr. Kessler, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**PERSONNEL ACTIONS**

Resolution No. 91-36

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 7, 1990 meeting of the Board, including the following Concurrent Appointments, Changes in Title, Promotions, Appointment of Chairpersons of Departments, Reappointment of Director of Center, Leaves of Absence Without Salary, Leaves of Absence Without Salary--Continuation, Professional Improvement Leave, Professional Improvement Leaves--Change in Dates, and Emeritus Titles as detailed in the University Budget be approved.

Concurrent Appointments

Name:	E. GORDON GEE
Title:	Professor
College:	Law
Effective:	September 1, 1990
Salary:	N/A
Present Position:	President, The Ohio State University

Name:	NEIL M. WILKIE
Title:	Visiting Professor (Leonard J. Immke, Jr. and Charlotte L. Immke Chair in Cancer Research)
College/Department:	Medicine Administration/Internal Medicine
Effective:	July 1, 1990
Salary:	N/A
Present Position:	Visiting Professor, College of Medicine Administration and Department of Internal Medicine



## PERSONNEL ACTIONS (contd)

### Changes in Title

Name: DONALD D. GLOWER, SR.  
Title: Vice President  
Office: University Communications and Development  
Effective: Immediately  
Salary: N/A  
Present Position: Acting Vice President for University Communications and Development and Dean, College of Engineering

Name: ROBERT F. REDMOND  
Title: Acting Dean  
College: Engineering  
Effective: October 1, 1990  
Salary: \$123,360.00  
Present Position: Associate Dean/Professor, College of Engineering

### Promotions

Name: JOHN W. ELAM  
Title: Special Assistant to the President - University Relations  
Office: Office of the President  
Effective: August 1, 1990  
Salary: \$65,040.00  
Present Position: Assistant Vice President, Office of Personnel Services

Name: PAUL G. LAFYATIS  
Title: Director of Technology Transfers  
Office: Research Foundation  
Effective: September 17, 1990  
Salary: \$62,280.00  
Present Position: Assistant Patent and Copyright Administrator

### Appointment of Chairpersons of Departments

October 1, 1990 through June 30, 1992

Black Studies

William T. McDaniel

October 1, 1990 through September 30, 1992

Spanish and Portuguese

Josaphat Kubayanda

October 1, 1990 through June 30, 1994

Mathematics  
Physics

Dijen K. Ray-Chaudhuri  
Frank C. De Lucia

October 5, 1990 meeting, Board of Trustees

## PERSONNEL ACTIONS (contd)

### Reappointment of Director of Center

October 1, 1990 through June 30, 1991

Center for Comparative Studies

Sabra J. Webber\*

\*Acting Director

### Leaves of Absence Without Salary

MICHAEL L. BENEDICT, Professor, Department of History, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to serve as a visiting professor at the Yale University School of Law.

DIANE W. BIRCKBICHLER, Associate Professor, Department of French and Italian, effective Winter Quarter and Spring Quarter 1991, to accept the Meryl Norton Hearst Professorship of Modern Languages at the University of Northern Iowa.

ROBERT M. KAHN, Associate Professor, Department of Political Science (Mansfield Campus), effective Autumn Quarter 1990, for personal reasons.

EVE R. LEVIN, Associate Professor, Department of History, effective Autumn Quarter 1990, to accept an invitation from the Soviet Academy of Sciences for a research visit in the Soviet Union.

ELMORE T. COLLINS, Assistant Professor, Department of Photography and Cinema, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to accept a position at Central Florida State University.

DOLORES M. O'HIGGINS, Assistant Professor, Department of Classics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to complete book-length study.

CRICHTON L. OGLE, Assistant Professor, Department of Mathematics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to do collaborative research at Penn State University.

CHARLES J. QUINN, Assistant Professor, Department of East Asian Languages and Literatures, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to accept a Fulbright grant in Japan.

SHELLEY F. QUINN, Assistant Professor, Department of East Asian Languages and Literatures, effective Winter Quarter and Spring Quarter 1991, for personal reasons.

ANNA O. SOTER, Assistant Professor, Department of Educational Studies: Humanities, Science, Technological, and Vocational, effective Winter Quarter, Spring Quarter and Summer Quarter 1991, for personal reasons.

LINDA S. RAPHAEL, Instructor, Department of English, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to complete manuscript.

ALAN W. REID, Instructor, Department of Mathematics, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to accept a research position in the United Kingdom.

October 5, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

#### Leaves of Absence Without Salary--Continuation

JULIA F. ANDREWS, Assistant Professor, Department of History of Art, effective Autumn Quarter 1990, to accept a position as a Research Scholar with the National Program for Advanced Study and Research in China.

JAMES C. TURNER, Assistant Professor, Department of Mathematics, effective Autumn Quarter 1990 and Winter Quarter 1991, to continue his research at Hampton University.

#### Professional Improvement Leave

JOHN J. LIMA, Associate Professor, College of Pharmacy--Division of Pharmacy Practice, November 1, 1990, through May 31, 1991.

#### Professional Improvement Leaves--Change in Dates

ARNOLD M. ZWICKY, Professor, Department of Linguistics, change leave from Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to Autumn Quarter 1990 and Winter Quarter 1991.

CONRAD G. SMITH, Assistant Professor, School of Journalism, change leave from Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to Winter Quarter and Spring Quarter 1991.

#### Emeritus Titles

KEITH A. HUSTON, Department of Dairy Science, with the title Professor Emeritus, effective October 1, 1990.

BENSON J. LAMP, Department of Agricultural Engineering, with the title Professor Emeritus, effective July 1, 1990.

HARRY N. DRIER, Center on Education and Training for Employment, with the title Research Scientist Emeritus, effective October 1, 1990.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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### **RESOLUTIONS IN MEMORIAM**

Resolution No. 91-37

Synopsis: The Academic Affairs Committee recommended the approval of Resolutions in Memoriam for James W. Baughman and Maude A. Stewart.

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

October 5, 1990 meeting, Board of Trustees

## RESOLUTIONS IN MEMORIAM (contd)

James W. Baughman

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 10, 1990, of James W. Baughman, Professor Emeritus in the Department of Art.

James Baughman received a Masters in Art in 1953 from the University of Berkeley. He joined the faculty of The Ohio State University in 1956. Upon his retirement in 1982, he was named Professor Emeritus.

He served the University in various capacities and his outstanding service to students included his appointment in the Office of Records and Advising in the College of The Arts. James W. Baughman was honored with several awards for his deep understanding and commitment to students.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to the family and friends of James W. Baughman. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Maude A. Stewart

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 5, 1990, of Maude A. Stewart, Ed.D., Professor Emeritus in the Department of Psychology.

Dr. Stewart was born in Auburn, Nebraska, where she completed her elementary and secondary education, graduating from Auburn High School in 1922. She attended the University of Nebraska studying math, physics, and education; was elected to Phi Beta Kappa; and received her B.S. degree in 1928.

From 1923 until she began post graduate study in 1939, she was a teacher in Nebraska schools, beginning as a rural teacher in the Nemaha County School District. She was also a high school math teacher and counselor in Johnson and in West Point, Nebraska.

She began her graduate studies in 1939 in educational psychology and student personnel at Syracuse University where she received her M.S. in 1941 and her Ed.D. in 1947. During these years, she had several part-time positions at Syracuse including student personnel assistant, acting dean of women, and instructor in education.

In 1947 she was appointed Assistant Professor and Assistant Academic Director of the Student Personnel Training Program at Syracuse University, with responsibilities as teacher and research advisor. Subsequently, she was appointed Associate Professor at Southern Illinois University where she taught techniques of counseling, measurement in public schools, seminars in student behavior problems, statistics, and performed consulting work in the community and schools. In 1957 Dr. Stewart came to The Ohio State University as Associate Professor of Psychology and Director of the Graduate Resident Program in the Dean of Women's Office. This later became the Student Personnel Assistant Program in the Office of Vice Provost for Student Affairs. In 1960, she was promoted to Professor of Psychology. Upon her retirement in 1973, she was named Professor Emeritus.

## RESOLUTIONS IN MEMORIAM (contd)

Maude A. Stewart (contd)

Dr. Stewart was nationally known and respected for her work in the field of college student personnel and student development. Her commitment to the Student Personnel Assistant Program at The Ohio State University was truly exceptional. The integrated program of work and study in student personnel achieved national visibility as a model program and grew from seven to fifty-seven students under the leadership of Dr. Stewart. Although she devoted much of her time to selecting, orienting, and supervising practicum and internship experiences in the Student Personnel Assistant Program, she was adviser to more than 50 M.A. students and had taught most of the undergraduate and graduate courses in the counseling Psychology program at Ohio State. She also provided volunteer services to many programs in the University and the community.

Among Dr. Stewart's honors and awards were: Phi Beta Kappa, Phi Lambda Theta, and Phi Mu Epsilon. She also was listed in Who's Who in the Midwest, Who's Who of American Education and Who's Who of American Women. Dr. Stewart was twice honored by The Ohio State University's Student Personnel Assistant Program for appreciation of services to the program and its participants. In 1988 the Maude A. Stewart Achievement Award in Student Personnel Work was established. In 1983 the Robinson, Fletcher, Pepinsky and Stewart Endowment Fund was established to support faculty development and faculty and graduate student research primarily in the area of Counseling Psychology.

Dr. Stewart will be remembered by students, colleagues, and friends from her 50-year career as an educator and counselor, for her devotion to them, and to the advancement of college student personnel work and student development.

On behalf of the University, the Board of Trustees expresses to the family its deepest sympathy and sense of understanding in their loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Upon motion of Mr. Kessler, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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## STUDENT AFFAIRS COMMITTEE REPORT

Ms. Paige:

We first heard a report from the Office of Fees and Deposits. The presenters were Jim Nichols, Treasurer, Leonard Copeland, Assistant Treasurer, and Al Rodak, Associate Treasurer.

The Office of Fees and Deposits reported on the Students Services related activities of its Office. This Office collects student fees, processes University deposits and disburses student loan checks. This Autumn Quarter over 60,000 fees were paid, 9,400 checks disbursed and over 16,000 phone calls answered. The Office has expanded its phone services to aid students and has used the fee bill to provide important messages and frequently used phone numbers. The Office has worked with individual colleges to provide specialized services in disbursing loan checks to colleges who are on different class schedules. I wanted to bring this up because the College of Medicine begins school at the end of August, and usually we have to wait

**STUDENT AFFAIRS COMMITTEE (contd)**

Ms. Paige: (contd)

until the undergraduates start school to get our loan checks. But this year the Office of Fees and Deposits personally sorted all of the medical school students' loan checks and made them available to us at the end of August. So, I want to personally thank the Office of Fees and Deposits for that, because it was greatly appreciated by the medical students.

Fees and Deposits is working on several projects for future implementation. These include receiving account balances by phone, payment of fees by phone, using a credit card, and direct credit of student loans to bills without students having to pick up their checks.

Finally, concern was expressed to the burden placed on Ohio State in disbursing guaranteed student loan checks due to restrictive Federal regulations. Ohio State historically has not had a default rate problem. In 1988, our default rate was 3.3 percent, yet regulations affect all institutions, which has caused the University to disburse checks later and more frequently, thus providing greater inconvenience for students. Further restrictions are possible under the proposed Federal budget package. It was brought to our attention that it is proposed that students not be able to get their loan checks until 30 days after the quarter starts. So, that again bring a lot of problems to students. The Office of Fees and Deposits is committed to providing efficient services to the student population.

Next, we heard reports from the student government leaders:

Mr. Steve Sloan:

Thank you, it is good to be here again. This is actually my third year presenting to the Board, but this is my first meeting as the official President of the IPC. It feels quite different now, being responsible for showing some progress in terms of our actions.

I missed the last meeting, but I wanted to let you know that we are quite busy and happy with our progress. Today I wanted to talk about where I want to lead the organization and some of the issues that we will be facing. Recently I was interviewing candidates for a position that we needed to fill and I asked them, "What do you like about being a Buckeye?" I basically asked them that question because a university is a special place for me, and I wanted to make sure that the candidates have the same feeling that I do about this university. I thought about how a professional student would answer that question, and why they might not have the same kind of feelings that an undergraduate student would. I guess there could be several reasons why. First of all, they may have allegiance to their undergraduate institutions already; and therefore, feel they have less to give to OSU. I think there is little you can do about that, but there are other places where the University can take measures to improve the way a professional student feels he/she belongs to OSU.

There are areas where professional students share concerns with all students, and I would like to outline them briefly. They involve the following areas: Traffic and Parking, Libraries, Bookstore, Lincoln Tower (or Fees and Deposits, which we have heard about this morning), Public Safety, and one that is special to us -- the Athletic Ticket Policy.

## STUDENT AFFAIRS COMMITTEE REPORT (contd)

Mr. Sloan: (contd)

Briefly, we have talked about Traffic and Parking several times. I have heard that it costs \$10,000 per parking spot to build a ramp. We have talked about how much it would cost, but the most frequent thing that professional students bring up is how long it takes to find a parking space. They complain that they spend 20 minutes looking for a space, only to end up parking illegally. I think that it is time that we "bite the bullet" and spend more resources on parking. I think that is probably our biggest priority.

Mr. Teaford:

But what program do you think we ought to cut? Because that is the question --

Mr. Sloan:

I think I'll defer to you on that. The next area is the Athletic Ticket Policy. This is a special issue to professional students. It is one in which the University could take a step to make professional students feel more like a part of this University.

Currently, Undergraduates, as they progress from freshmen to seniors, get better football seats each year. That is not the case for professional and graduate school students at all. Each year they receive no increase in their ranking. As a result, they have terrible seats. Except that there are some schools who have individual arrangements with the people who make the ticket policy -- and I don't know how they did that, but they have done that in the past. There are some schools that have seats all together. The rest of the professional students have terrible seats, year after year.

The University should realize that to make professional students feel more a part of the University -- and thereby having stronger alumni, which may show up as alumni contributors -- they need to treat professional and graduate students more like undergraduate students in terms of the ticket policy.

We have worked a lot on that issue and they tell us it is a very difficult problem. The ticket policy needs to be changed. Maybe the first year you apply for a ticket, you would be treated as a freshmen, and then the fourth year you would be treated as a senior. Then after that, you would have to go through the rotation again. They need to take some kind of step like that.

The next issue is the libraries, particularly the Health Sciences Library. Many in our organization do rely on the Health Sciences Library. As we have mentioned before, many professional schools have calendars that are different from the Undergraduate calendar. Nonetheless, the libraries seem to ignore this fact and they say it is because they can't find student workers. That may be the case, but as a result, it is embarrassing when the Health Sciences Library closes a full two weeks before finals for medical students and a full four weeks before our national boards, which is the most important test these students take. It is the only way that residency programs can compare all medical students across the nation. Our library closes weeks before these boards are given, and then throughout the summer when most medical students are in session and need to use the library, they are open for maybe five hours a day in the middle of the day. This is of great concern to all of us. We would

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Sloan: (contd)

like your support on this issue, because we have been frustrated for three years trying to resolve it.

Dr. Spillman:

I'll check on that.

Mr. Teaford:

You can be assured that we don't find that attractive.

Mr. Sloan:

The next item is the bookstore. This is another issue we have worked on before. The prices both for the law bookstore and the medical bookstore, which encompasses all the professional students, are extremely high. The law students and the vet students have actually gone together and they have saved substantially by getting their books directly from the distributors. I know it is something that the Medical School and the Dental School are considering. The prices are really high and the bookstore assures us that all they do is raise it somewhere around 30-33 percent, I can't remember now. That's fine, that is what they do. As a result though, I pay \$100 for a text book.

Lincoln Tower is a topic we heard discussed already this morning. This is another place where professional students interact directly with the University. By and large, most professional students are satisfied with the Office of Fees and Deposits, except for the special times when we have to come and stand in very long lines. I think the steps that they have made with the health professionals are good, and we hope that that will be extended to all students. I know I have found the phone numbers and paying by mail convenient. I do have one example of a student who paid by mail and never received her paid fee sticker. As a result, she cannot use the University's resources, she cannot get a parking permit, etc., because you have to show the paid fee sticker. When she contacted Fees and Deposits, she was told she had to wait in line for it. If you expect students to take advantage of paying my mail so they won't have to stand in line, then it defeats the purpose if they have to stand in line anyway for the paid fee sticker. We are really happy though with the progress that has been made and we want that to continue.

I think I will just conclude there and say that I am really happy to be President of the IPC and I look forward to working with the other students and the Board. Thank you.

Ms. Benetta Burton:

First let me say, Good Morning. As you know, last month I did not appear before you because I was doing my written exams for my Generals. I am still in that process, so I am going to be very brief.



## STUDENT AFFAIRS COMMITTEE REPORT (contd)

Ms. Burton: (contd)

I wanted to say first that I appreciate the work and the efforts of the Office of Fees and Deposits to reduce the time that students have to stand in line. I also want to comment about the Athletic Ticket Policy. This was a concern of some of the new graduate students that attended our orientation. They wanted to know how to go about getting football tickets. There was some concern among those who were not able to get them. We do know that there is a low supply of those!

Our orientation program was a success. Associate Dean Jean Dickerscheid and Professors Hogan and Notes gave wonderful addresses, and the people appreciated that. We had a "For Your Information" session and it included topics that were both academic and non-academic. Among the things we covered was academic misconduct this time. That is because some of the graduate students on that committee found, to their surprise, how many graduate students were guilty of academic misconduct. So, we wanted to make these new graduate students aware. We know that some people have not been in the habit of doing papers and might not know how to properly footnote their papers. So, one of the things that we will be doing is featuring the Dulles Writing Center within our Graduate Voice to let them know that there is a service available to them on this campus that will help them in doing their papers.

Our reception was also a big success. This was the third one we have had and there were about 500 people in attendance. The food went faster than we anticipated! I think the advertising helped and also the fact that we had it closer to the end of the week. We did not mean to conflict Rosh Hashanah, but when we scheduled it, we needed a space that could hold 500 to 1000 people. With our limited resources, we found the best place was the Ohio Union. All their weekends were already booked and so the closest day to a weekend was that Thursday. We do believe the fact that it was at the end of the week made it more successful, because earlier in the week people are getting use to the University, etc. We are grateful for the support from the Graduate School and the Office of International Students and to the businesses that supported us.

The council will continue to address the academic calendar issue. I don't know if you read the Lantern on Friday, September 28, which had an article in it concerning the calendar. We will continue to discuss this issue. There were some inaccuracies in the article. One was that it spoke to the discipline needed by students in the quarter system. It really meant the discipline that the traditional semester students must have. Because with so much time to do the work there is a tendency to relax a bit more, instead of working ahead and getting work done. We feel that the traditional semester does require more discipline. Another mistake was that it talked about the reduction in Christmas vacation for students. That is the traditional semester calendar, not the early semester calendar. We favor the early semester calendar. We will be discussing this with the Undergraduate Student Government and they will be polling their constituency to see how they feel about this issue. We basically want the University to consider this issue and we feel that it deserves a well thought-out discussion.

Mr. Teaford:

By an early semester calendar, you mean that you start in August and finish in May?

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Ms. Burton:

That is correct.

Ms. Paige:

Thank you. We will now hear from the President of the Undergraduate Student Government.

Mr. Mike Clark:

First, I would like to say that all students, especially Undergraduates, are most appreciative of the efforts that the Office of Fees and Deposits is making. Maybe not everyone is aware of the things that you have been doing, but I think they will see the benefits of the shorter lines in the near future. It seems we are going down the right path in accomplishing that. I realize it is a long goal, but it is good to see that things are being done to address the concerns of students. It's great.

I have just a few issues -- I'd like to keep this short. One of the things that we have been involved with and that we feel is of vital concern to the University and the students is registering to vote and voting in the elections coming up on November 6. The deadline is October 9, which is this coming Tuesday. We felt that by spending most of our time and concentration on a Voter Registration Drive, we could bring much more attention from the State of Ohio to the University by encouraging the students to go out and make a difference and vote. This should show the Ohio politicians that the students are concerned about their tuition, they are concerned about safety and these types of issues.

Our Voter Registration Drive has been going on for about two or three days and we have already registered in excess of 1,000 students. Our goal is 1,500 students by Tuesday, but I think we have the possibility of surpassing that -- maybe up to 2,000. On Wednesday, we had Representative Mike Stinziano and Senator Eugene Watts come and help us kick off our campaign on the Oval. Yesterday afternoon, we had the Secretary of State, Sherrod Brown, come and help us out. Channel 4 and the news media came in and that really helped us out. So, our Legislative Affairs department has really been working overtime. I think the University as a whole will benefit from it. I think it is a good reflection of the student's attitude of trying to make a difference.

The other thing I would like to talk about is campus safety. You are probably going to hear me mention that quite a bit in this next year, because I think it is very important. All facets of the University will be affected by it. I would like to thank the Department of Public Safety for the support they have given us with our radios and our jackets, etc. They are really helping us out.

Also, we are experiencing a 100 per cent increase in the utilization of our escort service itself. I think that is a very good reflection of the University's efforts in increasing the awareness of campus safety issues. I would like to urge the University to continue to increase this awareness. I think we, as students and faculty, are very concerned with this issue.

Lastly, this coming Saturday, we have "Pompon Mania." We will be distributing 90,000 pompons at the football game.

## STUDENT AFFAIRS COMMITTEE REPORT (contd)

President Gee:

How many?

Mr. Clark:

There will be 90,000 pompons.

President Gee:

I didn't know there were that many pompons in the world!

Mr. Teaford:

You'll see them Saturday.

Mr. Clark:

We do it every year. We are working with Denny Hoobler in the Department of Athletics and we are trying to get the Buckeyes excited about the game tomorrow and to see if we can get our first Big Ten win.

There was one more thing -- I believe this summer we talked about the possibility of some of the members of the Board coming to a President's Council that we are starting up. We are trying to pull all of the student organization leaders together to start sharing ideas, concerns, and issues that they are faced with within the University. We have a tentative date set for the November 14, from 7:00 - 8:00 p.m. I will try to get some more information to you on this. I understand that you are busy and have full schedules, but if you could reserve that date, we would really appreciate it. I think the students would benefit from it as well.

Our primary concern with this is to let the Trustees come and reach out to the students to make them more aware. We feel that a more informed student is a more involved student. At this time, I will entertain questions.

President Gee:

I am sorry for barging in like this, I was listening to the Agricultural Affairs report. There is one thing that I did want to ask about regarding the escort service. There was some question about the legality of expanding the escort service to off campus. I asked Jim Meeks about that and we are looking into it. My own belief is that an escort service off the campus is probably the best opportunity that we have to be effective.

Mr. Tonnies:

Are you having an increase in use all over campus?

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Clark:

Yes we are. Two years ago, we had an average of 5 or 6 escorts an evening. Last year, we averaged 18 or 19. This year, we have been fully operational as of September 24, and we are experiencing between 40 to 50 escorts an evening. So, you can see how much we are increasing.

Dr. Spillman:

And I think as we advertise and have our campaign for personal safety and what have you, that is going to increase even more.

Mr. Teaford:

Do we have the ability to provide more service?

Mr. Clark:

It just takes money.

President Gee:

But I thought it was volunteer.

Mr. Clark:

No, it is not. We pay our students the University minimum wage to provide the escorts in the evening.

President Gee:

Have we thought also of increasing it by adding a volunteer service?

Dr. Spillman:

We have given some thought to that, but there is a dilemma here in that we have had a paid escort service for about five years. We also have the new program that the city will start which is another paid service. I know there is some dialogue going on within some of the fraternities right now. I think that is what we have to try to encourage, but it is not going to be easy to do.

Mr. Jim Meeks:

There are some pocket volunteer services operating. In particular, at the Law School, and I think the Medical School has one, too. But there is some problem setting up a volunteer organization when there is this complimentary paid program going on.

Ms. Paige:

I would like to have the other Student Trustee, David Tonnies, make an announcement at this time.

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Mr. Tonnies:

Thank you, Ms. Paige. I would briefly like to announce the new student appointment to Dr. Gordon Gee's President's Council, her name is Elisa Abes. She is a junior in the Honor's Program, majoring in English. The Presidents of the three student governments, Ms. Paige, and myself, nominated several students for this position. Interviews were conducted last night with the candidates, and Ms. Abes was selected from this group. She has been very active in student life at Ohio State. Currently she is the Vice President of Bucket and Dipper, Junior Class Honorary; she has been active in the past with leadership at Ohio State; and she was very influential in bringing Justice Kennedy to the campus who will speak later this month. We believe Ms. Abes will make a wonderful addition to the Council.

Ms. Paige:

Thank you. That completes my report.

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### AGRICULTURAL AFFAIRS COMMITTEE REPORT

Ms. Casto:

Thank you, Mrs. Bowser. As President Gee stated, the 1990 Farm Science Review was a huge success. President Gee spoke at the Vice President's Luncheon and also the Secretary of Agriculture, Clayton Yeutter, was a special VIP at the Farm Science Review. There were a total of 118,900 visitors and 523 commercial exhibitors.

We then had a report from Dr. Rosanne Fortner, Professor in the School of Natural Resources. She described the School's research and instruction programs in Environmental Resources Information and Education. The faculty members who are specialists in environmental education teach 25 courses and administer sponsored projects worth \$1.3 million. Research and development activities focus on: environmental knowledge and attitude assessment, especially in developing countries; effective methods for dissemination of environmental information; curriculum development for formal and nonformal education; teacher enhancement; global climate change education; and marine and aquatic education.

The School of Natural Resources and its faculty are internationally known for their leadership in environmental education. A number of national and international environmental thrusts have their origin and headquarters at Ohio State. Faculty members have successfully forged cooperative research and instruction links with a number of other units on campus, including the Center for Mapping, the Byrd Polar Research Center, Civil Engineering, the College of Biological Sciences, and the College of Education.

(See Appendix XXII for complete context of Environmental Resources Information and Education (ERIE), page 449.)

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October 5, 1990 meeting, Board of Trustees

## FISCAL AFFAIRS COMMITTEE REPORT

Amb. Wolf:

The Fiscal Affairs Committee is recommending the following resolutions:

### REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 91-38

Synopsis: The Fiscal Affairs Committee recommended the approval of the following reports on contracts, grants, and gifts and the summary for September 1990.

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, The Ohio State University Development Fund during the month of September 1990 be approved.

Upon motion of Amb. Wolf, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

### SUMMARY FOR AUGUST 1990

#### Background

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	143	\$8,052,838.00
Engineering Experiment Station	37	\$ 895,667.00
Total	180	\$8,948,505.00
The Ohio State University Development Fund		
Establishment of Named Funds		
The Bernard R. and Florine C. Ruben Cancer Research Endowment Fund (Support cancer research)		\$ 637,343.75

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR AUGUST 1990 (contd)**

Background (contd)

**The Ohio State University Development Fund (contd)**

**Establishment of Named Funds (contd)**

The Everette W. and Rowena R. Travis Scholarship Fund (Scholarships - College of Business)	\$ 450,000.00
The William R. and Doris M. Harris Scholarship Fund in Chemical Engineering (Scholarships - Department of Chemical Engineering)	\$ 100,000.00
The Alice B. and Leo F. Gerber Cancer Research Endowment Fund (Support cancer research)	\$ 86,624.12
The Robert M. Estrich Fellowship Fund (Fellowships for graduates in the Department of English)	\$ 46,470.00
The Janet and Grace Souders Crist Music Scholarship Fund (Scholarships - students of Lancaster or Fairfield County)	\$ 21,100.00
The Cecil and Eloise Robinson 4-H International Programs Fund (Support one or more Ohio delegates to another country on IFYE)	\$ 20,100.00
The Lamp Engineering in Agriculture Endowment Fund (Scholarships - engineering as applied to agriculture)	\$ 18,000.00
The 1987 Senior Class Gift Endowment Fund (Repair and refurbish the Student Unions)	\$ 17,982.00
The Robert L. Wills Memorial Fund (Support activities of the Law Library)	\$ 16,500.99
The Critical Difference for Women Re-entry Scholarship Fund (Scholarships for women returning to school after a break in their education)	\$ 16,355.00

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**SUMMARY FOR AUGUST 1990 (contd)**

**Background** (contd)

**The Ohio State University Development Fund (contd)**

**Establishment of Named Funds (contd)**

The Critical Difference for Women -- Minority Women Scholars' Career Support Fund (Support and enhance the career development of minority women students, staff, and faculty)	\$ 15,070.00
The Helen D. Terrill - Hardin County 4-H Endowment Fund	\$ 15,000.00



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - August 1990

**Federal Research Contracts/Grants**

\$300,000.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Design and Diagnosis Problem Solving with Multifunctional Technical Knowledge Bases, Department of Computer and Information Science (B. Chandrasekaran), 1 April 1990 through 30 September 1990. (Project 767812 - Continuation)

\$274,115.00 - Environmental Protection Agency, Washington, D.C., Field Assessment of Sludge Metal Bioavailability to Crops: Relative Crop Uptake and Sludge Rate Response, Department of Agronomy - OARDC and Department of Agronomy (T. J. Logan), 16 July 1990 through 15 July 1992. (Project 768455 - New)

\$200,000.00 - National Aeronautics and Space Administration, Washington, D.C., Hypersonic Training and Research, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 1 June 1990 through 31 May 1991. (Project 765979 - Continuation)

\$196,802.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Restraint Stress: Suppression of Ia Expression, Department of Micro-biology (B. S. Zwilling), 1 August 1990 through 31 July 1991. (Project 767728 - Continuation)

\$170,411.00 - Department of Health and Human Services, National Library of Medicine, Bethesda, Maryland, Computer Based Pathology Consultation Submodule, Department of Pathology (J. W. Smith) and Department of Computer and Information Science (B. Chandrasekaran), 1 September 1990 through 31 August 1991. (Project 764606 - Continuation)

\$165,606.00 - Department of Energy, Argonne, Illinois, Molecular Ferromagnetism, Department of Physics and Department of Chemistry (A. J. Epstein), 1 August 1990 through 31 July 1991. (Project 765592 - Continuation)

\$161,167.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1990 through 31 August 1991. (Project 760026 - Continuation)

\$160,000.00 - Department of Education, Office of Educational Research and Improvement, Washington, D.C., College Readiness Via Technology-Enhanced Mathematics, Department of Educational Theory and Practice (G. D. Foley and A. Osborne) and Department of Mathematics (B. K. Waits and F. D. Demana), 1 October 1990 through 30 September 1991. (Project 768539 - New)

\$146,613.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, The Role of alpha-Lactalbumin in Lactose Biosynthesis, Department of Chemistry (L. J. Berliner), 15 August 1990 through 31 July 1991. (Project 768514 - New)

\$140,000.00 - National Science Foundation, Washington, D.C., Engineering Research Center for Net Shape Manufacturing, Engineering Experiment Station (T. Altan), 1 May 1990 through 30 April 1991. (Project 767477 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$135,593.00 - Department of Health and Human Services, National Institute of Neurological Disorders and Stroke, Bethesda, Maryland, Development of Cerebellar Circuits, Department of Cell Biology, Neurobiology, and Anatomy (J. S. King), 1 September 1990 through 31 August 1991. (Project 760045 - Continuation)

\$133,514.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Xenobiotic Kinetics and Toxicity Among Fish and Mammals, College of Pharmacy (W. L. Hayton), 1 August 1990 through 31 January 1992. (Project 768317 - New)

\$128,846.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Aromatic L-Amino Acid Decarboxylase Modulation, Department of Pharmacology (N. H. Neff) and Department of Pharmacology and Department of Psychiatry (M. H. Neff), 1 September 1990 through 31 August 1991. (Project 767815 - Continuation)

\$122,441.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Cardiac Myocytes and the Cellular Response to Ischemia, Department of Physiological Chemistry (G. P. Brierley and R. A. Altschuld), 30 September 1990 through 29 September 1991. (Project 765733 - Continuation)

\$118,919.00 - Department of Health and Human Services, Food and Drug Administration, Rockville, Maryland, Reproductive Toxicology Models for Testing Gossypol Metabolites and Covalently-Bound Residues, Department of Veterinary Physiology and Pharmacology (Y. C. Lin) and College of Pharmacy (R. W. Brueggemeier), 1 July 1990 through 30 June 1991. (Project 767113 - Continuation)

\$116,700.00 - National Science Foundation, Washington, D.C., Feature Structure Formalisms: Mathematical and Computational Foundations for Linguistic Theory, Department of Linguistics (C. Pollard), 1 July 1990 through 30 June 1991. (Project 768381 - New)

\$110,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Wing-Body Juncture Flows, Department of Aeronautical and Astronautical Engineering (R. J. Bodonyi), 1 August 1990 through 31 January 1992. (Project 768491 - New)

\$108,621.00 - Environmental Protection Agency, Washington, D.C., Selective Catalytic Reduction of Nitrogen Oxides with Ammonia Over Vanadia/Titania Catalysts, Department of Chemical Engineering (U. Ozkan), 1 July 1990 through 30 June 1993. (Project 768415 - New)

\$104,000.00 - Department of Energy, Washington, D.C., Reduction of Pumping Energy Losses in District Heating and Cooling Systems, Department of Chemical Engineering (J. L. Zakin), 16 August 1990 through 15 August 1991. (Project 765571 - Continuation)

\$102,768.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Cardiac Characteristics in Copper Deficiency, Department of Human Nutrition and Food Management (D. Medeiros), 1 August 1990 through 31 July 1991. (Project 768104 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$100,541.00 - Department of Health and Human Services, National Institute of Child Health and Human Development, Bethesda, Maryland, Teenage Decision-Making, Schooling, and Fertility, Department of Economics (D. O. Parsons), 1 August 1990 through 31 July 1991. (Project 767000 - Continuation)

\$100,438.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Signal Transduction in Gastrointestinal Neurons, Department of Physiology (J. D. Wood), 1 September 1990 through 31 August 1991. (Project 768006 - Continuation)

\$100,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Biochemical Genetics of Capsular Polysaccharide Synthesis in Erwinia stewartii, Department of Plant Pathology - OARDC and Department of Plant Pathology (D. L. Coplin), 1 September 1990 through 31 August 1992. (Project 768529 - New)

\$95,777.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Natural Resources Policy Advisor, U.S. Agency for International Development/Ecuador, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (D. Southgate) and Department of Agricultural Economics and Rural Sociology (S. R. Thompson), 15 August 1990 through 15 August 1992. (Project 768479 - New)

\$91,170.00 - National Science Foundation, Washington, D.C., Regulation of Microtubule Organizing Center Function, Department of Cell Biology, Neurobiology, and Anatomy (D. D. Vandre), 1 August 1990 through 31 January 1992. (Project 768546 - New)

\$88,200.00 - National Science Foundation, Washington, D.C., Role of the Host Gene in Root Nodule Development, Biotechnology Program (D. P. S. Verma), 1 August 1990 through 31 July 1991. (Project 767707 - Continuation)

\$84,838.00 - Department of the Interior, Geological Survey, Reston, Virginia, Dispersion in Variable Density Flow, Department of Geology and Mineralogy (F. W. Schwartz), 10 August 1990 through 9 August 1993. (Project 768544 - New)

\$83,729.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Professional Nurse Traineeship Program, Department of Family and Community Nursing (E. M. Menke), 1 July 1990 through 30 June 1991. (Project 760803 - Continuation)

\$83,468.00 - National Science Foundation, Washington, D.C., Paleomagnetic Studies Designed to Refine the Mesozoic Paleoposition of the Antarctic Peninsula and Test Models of Weddell Sea Opening, Byrd Polar Research Center (K. C. Jezek and A. Grunow), 1 September 1990 through 31 August 1991. (Project 768543 - New)

\$82,172.00 - National Science Foundation, Washington, D.C., A Cooperative Climatological-Glaciological Program in the Antarctic Peninsula -- Phase 1, Byrd Polar Research Center (L. G. Thompson and E. Mosley-Thompson), 1 March 1991 through 29 February 1992. (Project 767075 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$80,742.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Inter-disciplinary Master's Graduate Program in Adapted Physical Education in Association with the Nisonger Center, School of Health, Physical Education, and Recreation (P. Jansma), 1 July 1990 through 30 June 1991. (Project 768465 - New)

\$79,986.00 - U.S. Information Agency, Washington, D.C., University Affiliations Program, Office of International Affairs (C. Zacher), 1 September 1990 through 31 August 1993. (Project 768518 - New)

\$74,244.00 - Environmental Protection Agency, Washington, D.C., Scaling Xenobiotic Pharmacokinetic Models in Fish, College of Pharmacy (W. L. Hayton), 23 July 1990 through 22 July 1992. (Project 768316 - New)

\$73,214.00 - National Science Foundation, Washington, D.C., Equipping a New Plant Biology Course for Non-Majors, Department of Plant Biology (R. L. Seymour and D. W. Kramer), 15 August 1990 through 31 January 1992. (Project 768540 - New)

\$70,560.00 - National Science Foundation, Washington, D.C., Completion of Velocity Survey of Ice Stream B and Catchments of Ice Streams B and C, Byrd Polar Research Center and Department of Geology and Mineralogy (I. M. Whillans), 1 October 1989 through 30 September 1990. (Project 766672 - Continuation)

\$68,600.00 - National Science Foundation, Washington, D.C., Study of Gas-Liquid-Solid Fluidization, Department of Chemical Engineering (L. S. Fan), 1 September 1990 through 31 August 1991. (Project 767794 - Continuation)

\$67,375.00 - Department of Health and Human Services, National Institute of Arthritis and Musculoskeletal and Skin Diseases, Bethesda, Maryland, Crystallographic Studies of Troponin C, Department of Chemistry (M. Sundaralingam), 1 September 1990 through 28 February 1991. (Project 768553 - New)

\$66,135.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Quantitative Assessment of HIV-Specific Immune Responses, Department of Microbiology and Immunology (C. C. Whitacre), 1 August 1990 through 31 July 1991. (Project 768501 - New)

\$64,449.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Heparin-Binding Growth Factor-1: Structure and Function, Department of Internal Medicine (I. M. Chiu), 15 August 1990 through 31 July 1991. (Project 768535 - New)

\$62,948.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Nicotine, Neuroregulators, and Dysphoric States Among Smokers, Department of Life Span Process (M. E. Wewers), 1 August 1990 through 31 July 1991. (Project 766969 - Continuation)

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$62,143.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Molecular Organization of a Membrane Protein Complex, Department of Plant Biology and Department of Biochemistry (R. T. Sayre), 1 July 1990 through 30 June 1991. (Project 766849 - Continuation)

\$62,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Physics (G. P. Lafyatis), 1 March 1991 through 28 February 1992. (Project 766988 - Continuation)

\$62,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award: An Intelligent Planning Environment for Dimensional Inspection, Department of Mechanical Engineering (C. H. Menq), 1 November 1990 through 31 October 1991. (Project 767947 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D.C., Strategies for Subcube Management in a Hypercube Computer with Direct-Connect Communication, Department of Computer and Information Science (T. H. Lai), 15 June 1990 through 31 May 1992. (Project 768492 - New)

\$59,085.00 - Department of the Army, Army Materiel Command, Adelphi, Maryland, Signal Processing Research for Synthetic Aperture Body Resonant Radar, ElectroScience Laboratory, Department of Electrical Engineering (R. D. Moses), 27 July 1990 through 26 July 1991. (Project 768512 - New)

\$51,659.00 - National Science Foundation, Washington, D.C., Tools for Stochastic Analysis of NP-Complete Problems - III, Academic Faculty of Management Sciences (W. T. Rhee), 1 August 1990 through 31 July 1992. (Project 768525 - New)

\$51,199.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Preclinical Pharmacology Investigations of Antitumor Agents, College of Pharmacy (J. Supko), 18 August 1990 through 17 November 1990. (Project 767472 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., Molecular Evolutionary Genetics of *Halimeda* and Bryopsidalean Algae (Division Chlorophyta), Department of Zoology (L. Hillis), 15 July 1990 through 30 June 1991. (Project 768515 - New)

\$49,682.00 - National Science Foundation, Washington, D.C., Mesozoic and Cenozoic Kinematic Evolution of the Transantarctic Mountains, Byrd Polar Research Center and Department of Geology and Mineralogy (T. J. Wilson), 1 January 1991 through 31 December 1991. (Project 767387 - Continuation)

\$48,700.00 - National Science Foundation, Washington, D.C., An Analysis of Local Circuitry in the Cerebellum, Department of Cellular Biology, Neurobiology, and Anatomy (G. A. Bishop), 1 September 1990 through 31 August 1991. (Project 768541 - New)

\$45,618.00 - Department of Agriculture, Science and Education, Beltsville, Maryland, Agricultural Market Development Opportunities in Asian Pacific Countries, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (T. L. Sportleder), 1 July 1990 through 30 June 1991. (Project 768448 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$45,598.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Robust Control of Linear Uncertain Systems with Applications to Aircraft Control, Department of Aeronautical and Astronautical Engineering (R. K. Yedavalli), 1 August 1990 through 31 July 1991. (Project 768528 - New)

\$44,528.00 - Department of Agriculture, Science and Education, Peoria, Illinois, Cooperative Agricultural Research, Office of the Director - OARDC (N. D. Schmidt and R. F. Edwards), 1 October 1989 through 30 September 1990. (Project 766472 - Continuation)

\$39,001.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Pharmacodynamics of Agents for Bladder Cancer Intravesical Therapy, College of Pharmacy (J. L. Au) and Department of Surgery (M. G. Wientjes), 1 June 1990 through 31 May 1991. (Project 767508 - Continuation)

\$34,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Peri-Urban Growth in Sub-Saharan Africa, Department of Agricultural Economics and Rural Sociology (C. E. Cuevas, R. L. Meyer, and D. H. Graham), 10 July 1990 through 31 December 1991. (Project 763301 - Continuation)

\$33,065.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, Stereoacuity Testing for Amblyopia, College of Optometry (P. P. Schmidt), 1 August 1990 through 31 July 1991. (Project 768496 - New)

\$31,201.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Fundamental Research on Erosion in Magnetoplasmodynamic Thrusters, Department of Mechanical Engineering (V. Subramaniam) 30 September 1990 through 30 March 1991. (Project 766307 - Continuation)

\$30,192.00 - National Science Foundation, Washington, D.C., Collaborative Research: Fort Payne Formation Echinoderms: Systematics, Paleocology, and Regional Synthesis (Lower Mississippian, Midcontinental United States), Department of Geology and Mineralogy (W. I. Ausich), 1 September 1990 through 31 August 1991. (Project 767673 - Continuation)

\$30,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Laboratory Studies of Microwave Scattering from Saline Ice, Byrd Polar Research Center (K. C. Jezek), 15 January 1990 through 30 September 1991. (Project 768213 - Continuation)

\$29,400.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Rural Homelessness in Ohio: A Five-Year Replication Study, College of Social Work (B. Toomey and R. J. First), 1 September 1990 through 31 August 1991. (Project 767819 - Continuation)

\$28,807.00 - Department of the Interior, Geological Survey, Reston, Virginia, IPA Assignment Agreement, School of Natural Resources (D. A. White), 1 September 1990 through 31 August 1992. (Project 768534 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$28,000.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Synthesis of Jatrophastrone and Related Compounds, Department of Chemistry (L. A. Paquette and T. L. Underiner), 9 August 1990 through 8 August 1991. (Project 768294 - New)

\$27,500.00 - National Foundation on the Arts and Humanities, National Endowment for the Arts, Washington, D.C., Trisha Brown Dance Company, Wexner Center for the Visual Arts - Administration (S. J. Rogers-Lafferty), 1 April 1990 through 31 March 1991. (Project 768549 - New)

\$26,854.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Novel Ultrasonic Techniques for Interface Studies, Department of Welding Engineering (L. Adler), 1 July 1990 through 31 October 1990. (Project 768504 - New)

\$25,000.00 - National Science Foundation, Washington, D.C., Transducers and Measurement Systems Using Ultrasound for Applications in Bioengineering, Department of Mechanical Engineering (M. C. Hastings), 1 October 1990 through 30 September 1991. (Project 768561 - New)

\$24,400.00 - National Science Foundation, Washington, D.C., Random Graphs, Department of Mathematics (B. Pittel), 15 July 1990 through 30 June 1991. (Project 768411 - New)

\$21,381.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Cardiac Characteristics in Copper Deficiency, Department of Human Nutrition and Food Management (D. Medeiros), 1 September 1990 through 31 July 1991. (Project 768547 - New)

\$20,748.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Immunology - MARC Predoctoral Fellowship, Department of Microbiology and Immunology and Oral Biology (J. F. Sheridan), 1 September 1990 through 31 August 1991. (Project 766363 - Continuation)

\$20,492.00 - National Aeronautics and Space Administration, Washington, D.C., SETI Research, Department of Electrical Engineering (J. D. Kraus) and Instruction and Research Computer Center (R. S. Dixon), 1 April 1990 through 31 March 1991. (Project 764694 - Continuation)

\$20,394.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Proof-of-Feasibility Development and Analysis of Advanced Circuit Architectures for Intelligent Processing in Communication Systems, Department of Electrical Engineering (S. Bibyk), 1 August 1990 through 2 October 1990. (Project 767914 - Continuation)

\$20,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Structure and Dynamics of Bluff Body Wakes, Department of Mechanical Engineering (Y. G. Guezennec), 15 May 1990 through 30 September 1990. (Project 768183 - Continuation)

\$17,800.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Ultraviolet Spectroscopy of Planetary Nebulae: Cosmological Implications, Department of Astronomy (G. J. Ferland, B. M. Peterson, and E. Capriotti), 15 December 1989 through 14 December 1990. (Project 766473 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$17,635.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Regional Resource Center, Education Administration (T. M. Stephens and L. Magliocca), 1 June 1990 through 31 May 1991. (Project 766183 - Continuation)

\$16,933.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Neuropeptide Regulation of Immunity to Herpes Simplex Virus (HSV), Oral Biology (J. F. Sheridan), 1 August 1990 through 31 July 1991. (Project 768509 - New)

\$15,172.00 - Department of Agriculture, Forest Service, Berkeley, California, The Recreational Opportunity Spectrum and Social Order in Outdoor Leisure Settings, School of Natural Resources (J. L. Heywood), 1 May 1990 through 31 May 1991. (Project 768340 - New)

\$14,847.00 - Department of Education, Washington, D.C., An Investigation of Individual Differences in Clinical Judgments of Mother-Infant Interaction, Division of Speech and Hearing Science (R. A. Fox), 15 July 1990 through 14 July 1991. (Project 768497 - New)

\$13,538.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, Collaborative Ocular Melanoma Study, Department of Ophthalmology (F. H. Davidorf), 1 August 1990 through 31 July 1991. (Project 765050 - Continuation)

\$11,246.00 - National Science Foundation, Washington, D.C., Cretaceous and Tertiary Strata of the James Ross Basin and the Evolution of the Antarctic Peninsula, Byrd Polar Research Center and Department of Geology and Mineralogy (D. H. Elliot), 1 November 1989 through 31 October 1990. (Project 767154 - Continuation)

\$9,469.00 - Department of the Army, Army Corps of Engineers, Huntsville, Alabama, Prospect Training for United States Army Corps of Engineers, Department of Civil Engineering (J. G. Lyon and C. J. Merry) and Department of Geodetic Science and Surveying (A. Schenk and K. Novak), 30 July 1990 through 31 May 1991. (Project 768274 - Continuation)

\$6,803.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D.C., Training of Trainers for Agriculture and Rural Development Workshop, County Operations - Ohio Cooperative Extension Service (B. Ludwig), 1 July 1990 through 30 November 1990. (Project 768484 - New)

\$6,315.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Small Instrumentation Grant, Oral Biology (S. P. Travers), 1 August 1990 through 31 July 1991. (Project 768524 - New)

\$5,061.00 - National Science Foundation, Washington, D.C., Effects of Ozone on Growth of Sugar Maple (*Acer saccharum*): Ecophysiological Mechanisms and Genetics, Department of Plant Biology (R. E. J. Boerner), 15 July 1990 through 30 June 1992. (Project 768480 - New)

\$5,000.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, Small Instrumentation Grant, College of Optometry (R. M. Hill), 1 August 1990 through 31 July 1991. (Project 768500 - New)



## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$4,800.00 - National Science Foundation, Washington, D.C., Plant Biology Postdoctoral Fellowship, Department of Microbiology (F. R. Tabita), 1 July 1990 through 30 June 1992. (Project 768490 - New)

\$3,000.00 - National Science Foundation, Washington, D.C., Target Interception by Sonar in the Big Brown Bat, Myotis fuscus, Department of Zoology (W. M. Masters), 1 May 1990 through 30 April 1991. (Project 765902 - Continuation)

\$2,107.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Molecular and Functional Analysis of Human Class 1 Heparin-Binding Growth Factor (HBGF), Department of Internal Medicine and Comprehensive Cancer Center (I. M. Chiu), 1 July 1989 through 30 June 1990. (Project 766083 - Continuation)

\$2,000.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D.C., International Science and Education Council Conference Proceedings: International Agricultural Research, Department of Plant Pathology (C. R. Curtis), 18 September 1989 through 31 December 1990. (Project 767926 - Continuation)

#### TOTAL - FEDERAL AWARDS

\$6,049,075.00

#### State of Ohio Research Contracts/Grants

\$240,500.00 - State of Ohio, Department of Education, Columbus, Ohio, Central Vocational Education Personnel Development Regional Center, Department of Agricultural Education (R. K. Barrick and L. H. Newcomb), Department of Educational Studies: Humanities, Science, Technological, and Vocational (A. J. Miller), and Department of Home Economics Education (S. V. Redick), 1 July 1990 through 30 June 1991. (Project 766218 - Continuation)

\$113,546.00 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - A - Vocational Teacher Education, Department of Educational Studies: Humanities, Science, Technological, and Vocational (G. Jarvis), 1 July 1990 through 30 June 1991. (Project 768498 - Continuation)

\$109,817.00 - State of Ohio, Department of Education, Columbus, Ohio, A Vocational Training and Employment Model for Youth with Disabilities: A Guarantee to Sustained Employment, Center on Education and Training for Employment (R. D. Ryan) and Education Administration and Department of Educational Services and Research (L. Magliocca), 1 August 1990 through 31 July 1991. (Project 768516 - New)

\$100,000.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Expanding Services for Persons with Mental Illness: An Interdisciplinary Collaboration, College of Social Work (R. E. Boettcher), 1 July 1990 through 30 June 1991. (Project 768563 - New)

\$75,760.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Housing as Housing: The Relationship Between Housing Factors and Community Adaptation in Three Client Groups, Department of Life Span Process (L. C. Dzurec), 1 July 1990 through 30 June 1991. (Project 767534 - Continuation)

October 5, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **State of Ohio Research Contracts/Grants (contd)**

\$50,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Consumer Education Program for Recyclable Packaging, Administration - Ohio Cooperative Extension Service (J. E. Heimlich), 2 August 1990 through 30 June 1991. (Project 768507 - New)

\$45,000.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, ODMH Residency/Traineeship Program, Department of Family and Community Nursing (J. A. Clement), 1 July 1990 through 30 June 1991. (Project 767828 - Continuation)

\$45,000.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Clinical Social Work with Persons Who Are Deaf/Hearing Impaired, College of Social Work (A. Riemenschneider), 1 July 1990 through 30 June 1991. (Project 768557 - Continuation)

\$30,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Urban Forestry Curriculum Development Project, School of Natural Resources (D. W. Floyd), 1 October 1989 through 30 September 1991. (Project 768464 - New)

\$21,049.00 - State of Ohio, Board of Regents, Columbus, Ohio, Urban University Program, Research and Graduate Studies Administration (T. L. Sweeney), 1 July 1990 through 30 June 1991. (Project 768468 - Continuation)

\$12,332.00 - State of Ohio, Department of Development, Columbus, Ohio, Sustainable Agriculture Manual, Department of Entomology - OARDC and Department of Entomology (B. R. Stinner), 1 August 1990 through 31 January 1991. (Project 768445 - New)

\$3,106.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Survey to Assess Key Case Manager Demographics, Support Systems, and Attitudes, Department of Psychology (R. S. Billings), 6 August 1990 through 31 December 1990. (Project 768511 - New)

\$2,800.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, In Black and White: Dress from the 1920's - Present, Wexner Center for the Visual Arts - Administration (R. Stearns), 1 July 1990 through 31 December 1990. (Project 768552 - New)

**TOTAL - STATE OF OHIO AWARDS**

**\$ 848,910.00**

#### **Industrial Research Contracts/Grants**

\$200,000.00 - Rorer Central Research, Horsham, Pennsylvania, Double-Blind, Multiple-Dose, Dose Escalating Safety Study of Intravenous RG 12915 in Normal Male Volunteers, Department of Pharmacology (G. Apseloff), 1 August 1990 through 1 November 1991. (Project 768506 - New)

\$148,719.00 - Pfizer, Inc., Groton, Connecticut, Phase I Study to Assess the Potential of Sertraline to Alter the Pharmacodynamics and Plasma Protein Binding of Warfarin in Healthy Male Volunteers, Department of Pharmacology (N. Gerber), 1 July 1990 through 30 June 1991. (Project 768527 - New)

\$55,656.00 - Pfizer, Inc., Groton, Connecticut, Phase I Study of the Safety, Tolerantion, and Bioavailability of Two Topical Piroxicam Formulations in Healthy Volunteers, Department of Pharmacology (N. Gerber), 16 May 1989 through 15 May 1990. (Project 765696 - Continuation)

October 5, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Industrial Research Contracts/Grants (contd)

\$39,980.00 - Mission Research Corporation, Santa Barbara, California, Unmanned Air Vehicle-Medium Range (UAV) Radome Support, ElectroScience Laboratory, Department of Electrical Engineering (L. W. Henderson and B. A. Munk), 1 July 1990 through 30 November 1990. (Project 768494 - New)

\$39,277.00 - The Dow Chemical Company, Midland, Michigan, How Molecular Structure Influences Thermotropic and Lyotropic Mesomorphism in Hydrated Monoaglycerols, Department of Chemistry (M. Caffrey), 1 June 1990 through 31 May 1991. (Project 768531 - New)

\$25,000.00 and Equipment - George J. Igel & Company, Inc., Columbus, Ohio, Center for Commercialization of Space Membership Agreement, Center for Mapping and Department of Geodetic Science and Surveying (J. D. Bossler), 1 September 1990 through 31 August 1991. (Project 766219 - New) (Approximate Dollar Value - \$10,000)

\$16,425.00 - World Book Encyclopedia, Chicago, Illinois, Graduate Student Practicum 1990-1991, Education Administration (T. M. Stephens), 1 September 1990 through 30 June 1991. (Project 768523 - Continuation)

\$15,000.00 - Calgene, Davis, California, Transformation of Soybean Glycine max) Via Particle Bombardment, Department of Agronomy - OARDC (J. J. Finer), 15 January 1990 through 30 June 1991. (Project 768474 - New)

\$12,350.00 - Xoma Corporation, Berkeley, California, Double-Blind, Randomized, Placebo-Controlled Group Comparative Study of the Safety and Efficacy of Xomen-E5 in Patients with Suspected Gram Negative Sepsis, Department of Internal Medicine (J. F. Plouffe), 1 March 1989 through 31 December 1990. (Project 767379 - Continuation)

\$2,975.00 - Superconductive Components, Inc., Columbus, Ohio, Fabrication of High Temperature Superconducting Films, Department of Physics (T. R. Lemberger), 1 September 1990 through 30 June 1991. (Project 767603 - Continuation)

\$2,250.00 and Equipment - ERDAS, Inc., Atlanta, Georgia, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 May 1990 through 30 June 1991. (Project 766219 - Continuation) (Approximate Dollar Value - \$45,000)

\$1,500.00 - Horticultural Research Institute, Washington, D.C., Transplanting Container Plants, Department of Horticulture - OARDC (D. K. Struve), 1 January 1990 through 31 December 1990. (Project 768461 - New)

TOTAL - INDUSTRIAL AWARDS

\$ 559,132.00

#### Other Non-Federal Research Contracts/Grants

\$65,037.00 - Florida Institute of Phosphate Research, Bartow, Florida, Beneficiation of High Magnesium Florida Phosphate Deposits by Selective Flocculation, Department of Materials Science and Engineering (Y. Attia), 1 August 1990 through 31 July 1991. (Project 768513 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$57,760.00 - National Pharmaceutical Council, Inc., Reston, Virginia, Determining the Relationship of Three Compliance Measures with Health Status Among Kidney Transplant Patients, College of Pharmacy (D. S. Pathak), 1 May 1990 through 15 December 1990. (Project 768441 - New)

\$40,000.00 - American Cancer Society, Atlanta, Georgia, Multidrug Resistance Gene Amplification in Methotrexate Resistance, Department of Radiology (R. M. Snapka), 1 July 1990 through 30 June 1991. (Project 765521 - Continuation)

\$38,500.00 - National Dairy Promotion and Research Board, Logan, Utah, Tangential-Flow Microfiltration of Cheese Whey for Manufacturing Whey Protein Concentrate, Department of Food Science and Technology (C. V. Morr), 1 July 1990 through 30 June 1992. (Project 768481 - New)

\$30,000.00 - Columbus Health Department, Columbus, Ohio, Coordination of Patient Services in Clinical Trials, Department of Internal Medicine (M. F. Para and R. J. Fass), 1 July 1990 through 30 June 1991. (Project 768508 - Continuation)

\$30,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Genetic Characterization of Novel Elements in Protein Membrane Assembly, Department of Chemistry (R. E. Dalbey), 1 September 1990 through 31 August 1991. (Project 767800 - Continuation)

\$26,838.00 - Capital University, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (L. E. Fitzgerald), 1 August 1990 through 31 May 1991. (Project 768551 - Continuation)

\$25,000.00 - The Cleveland Foundation, Cleveland, Ohio, TLC-OHIO Planning Grant, Education Administration (D. P. Anderson) and Department of Educational Studies: Humanities, Science, Technological, and Vocational (M. L. Scott), 1 July 1990 through 30 June 1991. (Project 768519 - New)

\$25,000.00 - Emergency Medicine Foundation, Dallas, Texas, Characterization of Central Nervous System Free Radical Production Following Global Ischemia and Reperfusion in Swine, Department of Preventive Medicine (J. W. Hoekstra), 1 July 1990 through 30 June 1991. (Project 768530 - New)

\$22,000.00 - Eleven Members of the National Alliance of Community and Technical Colleges, National Alliance of Community and Technical Colleges, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768414 - Continuation)

\$20,000.00 - Diabetes Research and Education Foundation, Inc., Bridgewater, New Jersey, Epidermal Growth Factor and Insulin Receptor Expression in Placentae from Pregnancies Complicated by Maternal Diabetes Mellitus, Department of Obstetrics and Gynecology (D. A. Kniss and M. B. Landon), 1 July 1990 through 30 June 1991. (Project 768517 - New)

\$18,360.00 - Granville Exempted Village Schools, Granville, Ohio, Assist the Granville School Education and Work Program, Center on Education and Training for Employment (R. D. Ryan), 1 August 1990 through 30 April 1991. (Project 768555 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$18,000.00 - The Columbus Foundation, Columbus, Ohio, Adapted Toy Library, Nisonger Center (J. Case-Smith), 1 July 1990 through 30 June 1991. (Project 768467 - New)

\$17,129.00 - Ohio Dominican College, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (L. E. Fitzgerald), 15 August 1990 through 15 May 1991. (Project 768542 - Continuation)

\$16,850.00 - Michigan State University, East Lansing, Michigan, Policy Impediments and Opportunities for Expanded Aquaculture in the North Central Region, School of Natural Resources and Department of Natural Resources - OARDC (L. J. Hushak), 1 July 1990 through 30 September 1991. (Project 768510 - Continuation)

\$16,000.00 - Seven Members of the National Consortium of State Career Guidance Supervisors, National Consortium of State Career Guidance Supervisors, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768406 - Continuation)

\$15,000.00 - American Cancer Society, Ohio Division, Inc., Dublin, Ohio, Isolation and Characterization of the 5q-Breakpoint, Department of Internal Medicine (D. E. Thornton), 1 July 1990 through 30 June 1991. (Project 768493 - New)

\$15,000.00 - National Kidney Foundation, Inc., New York, New York, The Effect of Essential Fatty Acid Deficiency on Experimental Glomerulonephritis in Rats, Department of Internal Medicine (B. H. Rovin), 1 July 1990 through 30 June 1991. (Project 768522 - New)

\$13,605.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, English as a Second Language Program (L. J. Thomas), 11 August 1990 through 6 January 1991. (Project 764972 - Continuation)

\$11,000.00 - American Institute for Cancer Research, Washington, D.C., The Influence of Dietary Fat on Mammary Tumorigenesis and Ras Oncogene mRNA Levels in Mouse Mammary Tumor Virus/ V-Ha-ras Transgenic Mice, Department of Veterinary Pathobiology (J. W. DeWille), 1 May 1990 through 30 April 1991. (Project 768503 - New)

\$10,390.00 - National Association of Trade and Technical Schools, Washington, D.C., Analysis of National Association of Trade and Technical Schools (NATTS) Annual Report Data for Years 1987, 1988, and 1989, Center on Education and Training for Employment (R. D. Ryan), 1 May 1990 through 31 August 1990. (Project 768499 - New)

\$10,000.00 - American Diabetes Association, Ohio Affiliate, Inc., Worthington, Ohio, Placental Insulin-Like Growth Factor Receptors in Pregnancies Complicated by Maternal Diabetes Mellitus, Department of Obstetrics and Gynecology (D. A. Kniss and M. B. Landon), 1 September 1990 through 31 August 1991. (Project 768521 - New)

\$8,798.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, SWOG Study 8501, Intraperitoneal Cis-Platinum/Intravenous Cys-Platinum/Intravenous Cyclophosphamide Versus Intravenous Cis-Platinum/Intravenous Cyclophosphamide in Patients with Non-Measurable (Optimal) Disease, Stage III Ovarian Cancer, Department of Pathology (R. O'Toole), 1 October 1989 through 30 September 1990. (Project 765855 - Continuation)

October 5, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Other Non-Federal Research Contracts/Grants (contd)

\$8,052.00 - Hamilton Local School District, Columbus, Ohio, Internship Program: Hamilton Local School District, Department of Educational Services and Research (T. E. Heron), 1 April 1990 through 30 June 1990. (Project 768526 - New)

\$8,000.00 - The Devereux Foundation, Devon, Pennsylvania, School Psychology Research Assistant Support, Department of Educational Services and Research (J. Naglieri), 1 October 1990 through 30 June 1991. (Project 768550 - Continuation)

\$7,150.00 - Michigan State University, East Lansing, Michigan, Policy Impediments and Opportunities for Expanded Aquaculture in the North Central Region, School of Natural Resources and Department of Natural Resources - OARDC (L. J. Hushak), 1 May 1989 through 31 December 1991. (Project 767546 - Continuation)

\$6,142.00 - American Diabetes Association, Ohio Affiliate, Inc., Worthington, Ohio, Acute Exercise and the Spontaneously Hypertensive Rat (SHR), Diabetic Rat, School of Health, Physical Education, and Recreation and Department of Veterinary Physiology and Pharmacology (W. M. Sherman), 1 September 1990 through 31 August 1991. (Project 768520 - New)

\$5,000.00 - Bowling Green State University, Bowling Green, Ohio, AIDS Education in Ohio's Colleges and Universities, School of Allied Medical Professions (S. L. Wilson), 1 July 1990 through 30 June 1991. (Project 768156 - Continuation)

\$4,610.00 - American Occupational Therapy Foundation, Rockville, Maryland, Discriminant and Concurrent Validity of the Posture and Fine Motor Assessment of Infants, Nisonger Center (J. Case-Smith and V. L. Reynolds), 1 May 1990 through 15 July 1991. (Project 768488 - New)

\$4,300.00 - Indiana Michigan Power Company, Bridgman, Michigan, Consortium for the Development of Instructor Training Materials for the Electric Power Industry, Center on Education and Training for Employment (R. D. Ryan), 1 November 1989 through 31 January 1990. (Project 767901 - Continuation)

\$2,200.00 - American College of Obstetricians and Gynecologists, Philadelphia, Pennsylvania, Clinical Trials in Gynecologic Oncology, Department of Obstetrics and Gynecology (L. J. Copeland), 1 July 1989 through 30 April 1991. (Project 767936 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS

\$ 595,721.00

### ENGINEERING EXPERIMENT STATION

#### State Sponsored Research and Development

\$131,000.00 - from Ohio Department of Transportation, Columbus, Ohio, for "Performance of Reinforced Soil Embankment," under the direction of the department of Civil Engineering for the period August 1, 1990 through July 31, 1991. (529858)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**State Sponsored Research and Development (contd)**

\$34,000.00 - additional budget from Ohio Edison Program, Columbus, Ohio and STB Corporation, Cleveland, Ohio, for "Electrohydraulic Forming," under the direction of the department of Materials Science and Engineering for the period April 1, 1990 through April 31, 1991. (312529, Ext. 1)

\$29,400.00 - additional funding from Ohio Department of Transportation, Columbus, Ohio, for "Rural Technology Transfer Center," under the direction of the department of Civil Engineering for the period January 1, 1990 through December 31, 1990. (529836, Ext. 1)

**TOTAL STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$ 194,400.00**

**Industry and Other Sponsored Research and Development**

\$180,000.00 - from Snow Aviation International, Columbus, Ohio, for "Wind Tunnel Test Program for the Snow 204C Turbopropeller Aircraft," under the direction of the department of Aeronautical and Astronautical Engineering for the period July 15, 1990 through December 31, 1990. (312546)

\$100,000.00 - from various industry for membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$99,600.00 - second year from AT&T Network System, Columbus, Ohio, for "Application of Operations Research in Manufacturing," under the direction of the department of Industrial and Systems Engineering for the period October 1, 1989 through September 30, 1991. (529825, Ext. 1)

\$60,000.00 - from IBM Corporation, Boca Raton, Florida, for "Identification of Noise Sources in Hard Disk Drives," under the direction of the department of Mechanical Engineering for the period June 20, 1990 through June 19, 1991. (529856)

\$60,000.00 - from various industry for membership in the Compact Radar Cross Section Measurement Ranges Research and Development Consortium under the direction of the department of Electrical Engineering. (312884)

\$50,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Computer Aided Tomography of Welds," under the direction of the department of Welding Engineering for the period July 1, 1990 through June 30, 1991. (529392)

\$50,000.00 - from various industry for Associate Membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$45,000.00 - from C P C Group Headquarters, Warren, Michigan, for "Life Cycle Engineering for Serviceability, Reliability and Modularity - Phase I," under the direction of the department of Mechanical Engineering for the period July 1, 1990 through March 31, 1991. (529857)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**Industry and Other Sponsored Research and Development (contd)**

\$25,667.00 - from various industry for 24 development projects in four departments/research areas of the College.

\$25,000.00 - from Edison Welding Institute, Columbus, Ohio, for "Real Time Radiographic Control of Arc Welding," under the direction of the department of Welding Engineering for the period July 1, 1990 through December 31, 1990. (529391)

\$6,000.00 - from various industry for affiliate membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

**TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH** **\$ 701,267.00**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

**Establishment of Named Funds**

**The Bernard R. and Florine C. Ruben  
Cancer Research Endowment Fund**

The Bernard R. and Florine C. Ruben Cancer Research Endowment Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with a gift to The Ohio State University Development Fund from Bernard R. and Florine C. Ruben in memory of their parents, Max and Goldie Ruben and Harry and Suzanne Cowan.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support cancer research in The Arthur G. James Cancer Hospital and Research Institute as approved by the Director of The Arthur G. James Cancer Hospital and Research Institute and the Vice President for Health Services.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**The Everett W. and Rowena R. Travis Scholarship Fund**

The Everett W. and Rowena R. Travis Scholarship Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estate of Rowena R. Travis of Columbus, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.



## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Everett W. and Rowena R. Travis Scholarship Fund (contd)**

The annual income shall be used to fund undergraduate scholarships in the College of Business. Scholarship recipients shall be chosen by the Dean of the College of Business, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The William R. and Doris M. Harris Scholarship Fund in Chemical Engineering**

The William R. and Doris M. Harris Scholarship Fund in Chemical Engineering was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from William R. Harris (B.Ch.E. '44) of Pittsburgh, Pennsylvania.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide two or more partial scholarships to upper-classmen in the Department of Chemical Engineering. Recipients shall be chosen by the Chairperson of the Department of Chemical Engineering, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Alice B. and Leo F. Gerber Cancer Research Endowment Fund**

The Alice B. and Leo F. Gerber Cancer Research Endowment Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with a gift to The Ohio State University Development Fund from the estate of Alice and Leo Gerber, (B.S.Ed. '33).

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Alice B. and Leo F. Gerber  
Cancer Research Endowment Fund (contd)**

The annual income shall be used to support cancer research in The Arthur G. James Cancer Hospital and Research Institute, as approved by the Director of The Arthur G. James Cancer Hospital and Research Institute and the Vice President for Health Services.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**The Robert M. Estrich Fellowship Fund**

The Robert M. Estrich Fellowship Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Alice E. Estrich of Columbus, Ohio, colleagues, friends and former students in memory of Robert M. Estrich (M.A. English '29, Ph.D. English '35), Professor Emeritus, The Ohio State University, Department of English.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more fellowships for graduate students in the English department of the College of Humanities while writing dissertations for the degree of Doctor of Philosophy. Fellowship recipients shall be chosen by the Dean of the College of Humanities, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**The Janet and Grace Souders Crist  
Music Scholarship Fund**

The Janet and Grace Souders Crist Music Scholarship Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Janet Souders Crist (M.A., Music '47) of Lancaster, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Janet and Grace Souders Crist  
Music Scholarship Fund (contd)**

The annual income shall be used to provide one or more scholarships/fellowships titled "The Janet and Grace Souders Crist Music Scholarship Fellowship" (hereafter referred to as "scholarships").

To be eligible for consideration for such scholarships, students shall be residents of Lancaster or Fairfield County, Ohio (excluding the Pickerington School District) and shall be graduating or have graduated from an accredited high school in Lancaster or Fairfield County, Ohio (excluding the Pickerington School District).

Applicants shall be enrolled or accepted as full-time students in the University and majoring in one or more of the following disciplines within the School of Music: Theory and Composition, Music History and Literature, Music Performance, or Music Education.

Applicants shall be required, in the screening process, to audition before appropriate faculty members of the School of Music. Applicants shall major in one or more of the following specialties: voice, violin, viola, violon-cello, piano, organ, flute, oboe, french horn, trumpet, or trombone.

Applicants shall have achieved an outstanding record of music performance and a high point hour academic average with honor-roll status during their most recent year of school in high school or at the University. Applicants shall have demonstrated leadership ability and good school citizenship. Financial need shall not be a factor in the selection.

The final selection of the recipients shall be made by the Dean of the College of The Arts in cooperation with the Director of the School of Music and in consultation with the University Committee on Student Financial Aid and Janet Souders Crist or her representative.

Scholarships may be awarded to outstanding students for more than one year if they continue to meet all of the qualifications herein set forth. If in any year there are no qualified applicants in the area of music or music education, the unused income shall be reinvested in the fund's principal.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then the income shall be used for awards to outstanding faculty in the College of The Arts or for purposes similar to those specified by the donor, as directed by the Board of Trustees of The Ohio State University.

**The Cecil and Eloise Robinson  
4-H International Programs Fund**

The Cecil and Eloise Robinson 4-H International Programs Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Cecil Robinson (B.S.Agr.'40) and Eloise Robinson of Delaware, Ohio.

October 5, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Cecil and Eloise Robinson 4-H International Programs Fund (contd)**

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support one or more Ohio delegates to another country on the International 4-H Youth Exchange (IFYE) Representative Program. Selection shall be made by the Ohio 4-H IFYE Selections Committee. If the Representative Program is eliminated, then the income shall be used to support an Ohio delegate as a 4-H international participant in another 4-H international program.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson or program administrative officer in order to carry out the desire of the donors.

##### **The Lamp Engineering in Agriculture Endowment Fund**

The Lamp Engineering in Agriculture Endowment Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Mr. and Mrs. B. J. Lamp's sons and their wives: Mr. and Mrs. Wilber H. Lamp, Mr. and Mrs. Russell J. Lamp, Mr. and Mrs. Benson J. Lamp (B.S. Agr. '49, B.Agr.E. '49, M.S., Agr.E. '52), Mr. and Mrs. Harold R. Lamp, and members of their immediate families.

Mr. and Mrs. B. J. Lamp were farmers who did not have the opportunity to attend college. A small scholarship, awarded to the oldest son by the College of Agriculture at The Ohio State University, was a major stimulus for all sons to obtain education beyond high school. It is desired by the donors that the Lamp Endowment, through scholarships, will provide a similar stimulus to others for education in engineering serving agriculture.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to pay part or all of the normal tuition at The Ohio State University for qualified and deserving Ohio high school students desiring to study engineering as applied to agriculture. Priority shall be given to undergraduate students from rural areas who are interested in Machinery Systems. A student may be supported for one or more quarters or years. The Department of Agricultural Engineering will administer all awards made possible by the endowment, in consultation with the University Committee on Student Financial Aid.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Lamp Engineering in Agriculture Endowment Fund (contd)**

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson or program administrative officer in order to carry out the desire of the donors.

**The 1987 Senior Class Gift Endowment Fund**

The 1987 Senior Class Gift Endowment Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from members of the 1987 graduating class.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to help repair and refurbish the Student Unions. Any income not expended during a year when no repair is needed shall be accumulated for use in future years. Determination of expenditures shall be made by the Director of the Student Unions or the Vice Provost for Student Affairs.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**The Robert L. Wills Memorial Fund**

The Robert L. Wills Memorial Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the family and friends of Robert L. Wills (B.A., Arts & Sci. '31, J.D. '34) and from the estate of his widow, Ruth A. Wills, of Columbus, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support the activities of the Law Library of The Ohio State University College of Law.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Robert L. Wills Memorial Fund (contd)**

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**The Critical Difference for Women  
Re-Entry Scholarship Fund**

The Critical Difference for Women Re-Entry Scholarship Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from alumni, faculty, staff, and friends in support of The Critical Difference for Women Program.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarships for women returning to school after a break in their education. Students shall be selected upon the recommendation of the Critical Difference Re-Entry Scholarship Committee, and in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson or program administrative officer in order to carry out the desire of the donors.

**The Critical Difference for Women  
Minority Women Scholars' Career Support Fund**

The Critical Difference for Women Minority Women Scholars' Career Support Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from alumni, faculty, staff, and friends in support of The Critical Difference for Women Program.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The Critical Difference for Women Minority Women Scholars' Career Support Fund (contd)

The annual income shall be used to support and enhance career development of minority women students, staff, and faculty. Examples of possible activities are the establishment of research networks, mentoring programs, and information exchanges. The fund will be administered by the Office of Human Relations in consultation with Women of Color Consortium and The Critical Difference for Women Working Group.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### The Helen D. Terrill - Hardin County 4-H Endowment Fund

The Helen D. Terrill - Hardin County 4-H Endowment Fund was established October 5, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Helen D. Terrill (B.S.H.E. '33, M.A., H.E.Ed. '39), Professor Emeritus, Cooperative Extension Service, The Ohio State University, and friends of the Hardin County 4-H Program.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support the Hardin County 4-H program. This support may include, but is not limited to, the funding of scholarships and awards for 4-H members, volunteer leaders and friends of 4-H; sponsoring of seminars and programs; purchasing materials or services that will supplement 4-H programming or increase visibility and public support for 4-H in Hardin County. All expenditures from this fund shall be approved by the Hardin County 4-H Council.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

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October 5, 1990 meeting, Board of Trustees

## **REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-39

### **MORRILL AND LINCOLN TOWERS UPGRADE - PHASES II, III, AND IV**

Synopsis: The Fiscal Affairs Committee recommended authorization to request construction bids for the Morrill and Lincoln Tower Upgrade - Phases II, III, and IV project.

WHEREAS the Morrill and Lincoln Tower Upgrade - Phases II, III, and IV will repair and upgrade dormitory and auxiliary spaces to improve the quality of life and reduce maintenance costs; and

WHEREAS the total estimated Phase II project cost is \$3,116,000.00, with the estimated construction cost being \$2,852,500.00, with funding provided from Dormitory Revenue, Dormitory Revenue Contingency, and future University bond proceeds; and

WHEREAS the total estimated Phase III project cost is \$4,451,000.00, with the estimated construction cost being \$4,075,000.00, with funding provided from Dormitory Revenue, Dormitory Revenue Contingency, and future University bond proceeds; and

WHEREAS the total estimated Phase IV project cost is \$3,561,000.00, with the estimated construction cost being \$3,260,000.00, with funding provided from Dormitory Revenue, Dormitory Revenue Contingency, and future University bond proceeds:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to award contracts, with all action to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXIII for background material, page 451.)

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## **EMPLOYMENT OF ARCHITECTS/ENGINEERS AND REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-40

### **DOAN HALL - IMPROVEMENTS TO WOMEN AND INFANTS PROGRAM AND CLINICAL MAGNETIC RESONANCE IMAGING FACILITY - PHASE II**

Synopsis: The Fiscal Affairs Committee recommended authorization to employ architects/engineers and request construction bids for the Doan Hall - Improvements to Women and Infants Program and Clinical Magnetic Resonance Imaging Facility - Phase II projects.

WHEREAS the Doan Hall - Improvements to Women and Infants Program will provide facilities to add two labor and delivery rooms, expand the Neo-natal Care Unit, provide GYN "stepdown" beds, and renovate areas for offices for the Women and Infants Program; and



**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**DOAN HALL - IMPROVEMENTS TO WOMEN AND INFANTS PROGRAM AND  
CLINICAL MAGNETIC RESONANCE IMAGING FACILITY - PHASE II (contd)**

WHEREAS the total estimated cost of this project is \$562,000.00, with the estimated construction cost being \$450,000.00, with funding provided from the University Hospitals; and

WHEREAS the Clinical Magnetic Resonance Imaging Facility - Phase II will construct a one-story addition to Means Hall to house the new 1.5 Tesla instrument; and

WHEREAS the total estimated cost of this project is \$2,500,000.00, with the estimated construction cost being \$405,000.00, the estimated steel shielding cost being \$185,000.00, and estimated equipment cost being \$1,800,000.00, with funding provided from University bond proceeds:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for these projects and that the fees for these services be negotiated between the firms selected and the University; and

BE IT FURTHER RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to award contracts, with all action to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXIV for background material, page 453.)

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-41

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808**

Synopsis: The Fiscal Affairs Committee recommended authorization to employ architects/engineers and request construction bids for projects for which funds have been appropriated in Substitute House Bill 808.

WHEREAS Substitute House Bill 808 enacted by the 118th General Assembly made capital appropriations for the following projects at The Ohio State University's Columbus and Regional Campuses for the 1990-1992 biennium:

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808 (contd)**

OARDC - Poultry Research Facility  
ATI - Horse and Farm Management Facility  
Denney Hall - Relocation of Arts and Sciences Honors Program  
Main Library - Roof Replacement, Phase I  
Larkins Hall - Exterior Wall Replacement, Phase I  
Smith Laboratory - Mechanical System, Part A  
Smith Laboratory - Mechanical System, Part B  
Smith Laboratory - Mechanical System, Part C  
Biological Sciences Building Remodeling  
Wiseman Hall Mechanical System Improvements, Part A  
Wiseman Hall Mechanical System Improvements, Part B  
Wiseman Hall Mechanical System Improvements, Part C  
Haskett Hall - Ventilation and Mechanical Systems  
Hopkins Hall - Ventilation and Mechanical Systems  
Communications Lab Demolition  
Agriculture Buildings Lab Renovations  
Campbell Hall Lab Rehabilitation - Phase II  
Robinson Laboratory - Centrifugal Chiller Replacement  
Page Hall - Roof Replacement  
Arps Hall - Masonry Improvements  
Oxley Hall - Masonry Improvements  
Johnston Laboratory - Exterior Masonry Improvements  
Baker Systems Engineering Building - Sealant Replacement  
Haskett Hall - Exterior Masonry Replacement  
Van de Graff Laboratory - Rooftop Mechanical System Replacement  
Animal Science Building - Rooftop Chiller Replacement  
Postle Hall - Animal Facility  
Public Safety Building - HVAC System Improvement  
Integrated Central Alarm Monitoring Upgrade  
Herrick Drive - Road Resurfacing  
19th Avenue (Neil to College) - Road Resurfacing  
Research Center - Entrance Road Resurfacing  
Bevis, Rightmire, and Scott Halls - Structural System Improvements  
University Hall and William Oxley Thompson Library - Elevator Upgrade  
Dakan Hall and Robinson Laboratory - Elevator Replacement  
Exterior Lighting  
Robinson Laboratory - Balcony Remodeling  
Starling-Loving Hall - Roof Replacement  
Converse Hall Remodeling  
West Campus Remodeling  
General Biology Annex - Mechanical System  
Lincoln and Morrill Towers - Site Renovation  
Mirror Lake Hollow Renovations  
Energy Control Modifications  
Lab Animal Center Renovations - Animal Pen  
Lab Animal Center Renovations - HVAC  
Oxley Hall Window Replacement  
Lima Regional Campus - Reed Hall Power Transformer Replacement  
Lima Regional Campus - Galvin Hall Lab Fume Hood Exhaust System  
Lima Regional Campus - Galvin Hall Chiller Improvements

October 5, 1990 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808 (contd)**

Lima Regional Campus - Asphalt Improvements  
Lima Regional Campus - Reed Hall Water Damage  
Mansfield Regional Campus - Concrete Replacement  
Mansfield Regional Campus - Bromfield Hall Facing  
Marion Regional Campus - HVAC Control System  
Marion Regional Campus - Room Improvements  
Marion Regional Campus - Sidewalk Replacement  
Marion Regional Campus - Parking Lot  
Newark Regional Campus - Telecommunications and Data Wiring and Switching System  
Newark Regional Campus - Student Support Service Remodeling  
Newark Regional Campus - Adena Parking Lot Paving and Lighting  
Newark Regional Campus - Parking Lot Lighting Replacement  
Newark Regional Campus - Founders Hall Electrical Upgrade  
ATI - Halterman Hall Renovation  
ATI - Skou Hall Renovation  
ATI - Apple Creek Farm Improvements  
ATI - Miscellaneous Improvements  
OARDC - Wooster Campus Road Resurfacing  
OARDC - Fencing and Roads  
OARDC - Wooster Campus Water System Improvements  
OARDC - Pesticide Storage and Handling Building  
OARDC - Union County Farm Drainage Tile Replacement  
OARDC - Mahoning Farm Renovations  
OARDC - Thorne and Gourley Renovation  
OARDC - Northwestern Branch Office and Storage Improvements

WHEREAS the University desires to move forward with these projects authorized by Substitute House Bill 808:

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for these projects and that the fees for these services will be negotiated between the firms selected and the Department of Administration Services, Division of Public Works, or the University, as appropriate; and

BE IT FURTHER RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University and State of Ohio procedures, and if satisfactory bids are received, to recommend the award of contracts to the Department of Administrative Services, Division of Public Works, or to award contracts, with all action to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXV for background material, page 455.)

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October 5, 1990 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 91-42

**ROOF REPLACEMENTS (ARPS HALL)  
OXLEY HALL REHABILITATION  
MECHANICAL IMPROVEMENTS (GRAVES HALL)  
VETERINARY HOSPITAL IMPROVEMENTS  
BROWN HALL ROOF REPLACEMENT  
RIGHTMIRE HALL RENOVATION - PHASE II, DEMOLITION**

**Synopsis:** The Fiscal Affairs Committee recommended the Report of Award of Contracts and the Establishment of Contingency Funds for the Roof Replacements (Arps Hall), Oxley Hall Rehabilitation, Mechanical Improvements (Graves Hall), Veterinary Hospital Improvements, Brown Hall Roof Replacement, and Rightmire Hall Renovation - Phase II, Demolition projects.

WHEREAS resolutions adopted by the Board of Trustees on May 4, 1989, authorized the President and/or Vice President for Business and Administration to request construction bids in accordance with established State of Ohio and/or University procedures, and if satisfactory bids were received, to award contracts or recommend the award of contracts, as appropriate, for the following projects: Roof Replacements (Arps Hall), Mechanical Improvements (Graves Hall) and Brown Hall Roof Replacement; and

WHEREAS a resolution adopted by the Board of Trustees on July 11, 1986, authorized the President and/or Vice President for Business and Administration to request construction bids in accordance with established University procedures, and if satisfactory bids were received, to recommend the award of contracts for the following project: Veterinary Hospital Improvements; and

WHEREAS resolutions adopted by the Board of Trustees on February 2, 1990 and March 2, 1990, authorized the President and/or Vice President for Business and Administration to request construction bids in accordance with established University procedures, and if satisfactory bids were received, to award contracts for the following projects: Rightmire Hall Renovation - Phase II, Demolition, and Oxley Hall Rehabilitation:

**NOW THEREFORE**

**BE IT RESOLVED,** That pursuant to the actions previously authorized by the Board and upon the recommendation of the Fiscal Affairs Committee, the Report of Award of Contracts and Establishment of Contingency funds for the Roof Replacements (Arps Hall), Oxley Hall Rehabilitation, Mechanical Improvements (Graves Hall), Veterinary Hospital Improvements, Brown Hall Roof Replacement, and Rightmire Hall Renovation - Phase II, Demolition projects is hereby approved.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXVI for background material and tabulation of bids, page 473.)

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**SALE OF REAL PROPERTY**

Resolution No. 91-43

**55.4 ACRES IN SOUTHWEST FRANKLIN COUNTY**

Synopsis: The Fiscal Affairs Committee recommended the approval of the sale of approximately 55.4 acres of land in southwest Franklin County.

WHEREAS The Ohio State University owns approximately 55.4 acres of undeveloped land located in southwest Columbus, Ohio; and

WHEREAS the appraised value of this property is approximately \$249,300.00, and Deltar, Inc., of Columbus, Ohio, has offered to purchase the property for \$325,000.00; and

WHEREAS this property is not needed for University programs and the appropriate University offices have determined that this sale of the property is in the best interest of the University and it is the desire of this Board to accept the offer of Deltar, Inc., and to sell all of the Board's right, title, and interest in this property:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized, in the name of the Board of Trustees of The Ohio State University, to sell all of the University's right, title, and interest in this property to Deltar, Inc., at a price of \$325,000.00 upon such terms and conditions as are deemed to be in the best interest of the University.

Upon motion of Amb. Wolf, seconded by Mr. Celeste, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXVII for background material and map, page 487.)

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Mr. Scott:

As you know, the Board overtime approved the concept of a preferred provider health care plan for regular faculty and staff on the main campus. We have been working now for the last year and a half to establish a reasonably equivalent plan at the regional campuses and at Wooster. One component of the PPO, of course, is the pharmacy component. We have that in place here for our faculty and staff on the main campus.

In an attempt to round out the PPO for faculty and staff at the regional campuses, OARDC, and, also, the Ag Tech Institute, we requested bid proposals from the pharmacy providers in that area. Twenty-eight companies received the bid specifications. Out of the twenty-eight companies, nine submitted proposals, but only five were judged to be relevant in terms of the standards set forth in the specifications.

Mr. Scott: (contd)

The resolution today is to request the authorization for the establishment of a Preferred Provider Pharmacy Program, which complements the already existing medical components at Wooster. We think that this, indeed, will give our faculty and staff at Wooster the equivalent of what our faculty and staff on the main campus already enjoy.

I should tell you, parenthetically, there has been some concern at the regional campuses that they were not getting full benefits, so this should diminish those concerns. At some point in time we should have the network complete for Lima and Mansfield campuses, and we are moving ahead at the Newark campus. That should give all of our faculty and staff, irrespective of geographic location, the equivalent of the program that we have on the main campus. That is the resolution.

Mr. Teaford:

Is the cost to the University roughly the same as the cost to the University for the program here?

Mr. Scott:

That is correct. You ask a very good question. One of the things, Mr. Teaford, that we are also looking at in the pharmacy program for the main campus is the component at University Hospitals. This service is not as effective as it should be and the reason for this is that the numbers of users exceeds our capabilities. It may very well be in time that the administration will want to recommend the inclusion of other pharmacies, based on a bid, so that we can accommodate the needs of our people in a fashion that will be helpful to them.

#### **REGIONAL PREFERRED PHARMACY PROGRAM**

Resolution No. 91-44

**Synopsis:** The Fiscal Affairs Committee recommended the approval of the Regional Preferred Pharmacy Program at regional campus locations.

WHEREAS the University desires to provide reasonably equivalent medical benefit PPO options for the regional campus faculty/staff as compared with main campus faculty/staff; and

WHEREAS hospital and physician PPO arrangements have been implemented at the Wooster/OARDC location and are in progress at the other regional locations; and

WHEREAS a regional pharmacy network provider is needed to complete the regional PPO program; and

WHEREAS after public advertisement, specifications and proposal forms were issued to twenty-eight (28) companies; eight (8) did not respond, eleven (11) declined in writing to quote, and nine (9) submitted proposals of which five (5) were responsive to our specifications; and

WHEREAS the appropriate University offices, and Pharmaceutical Horizons, Incorporated (a pharmacy program consultant firm), have reviewed the proposals and, based on prescription drug pricing, administrative fees, and network service capabilities and associated services, it is the recommendation of the Office of Personnel Services that the best proposal is offered by ValueRx,

**REGIONAL PREFERRED PHARMACY PROGRAM (contd)**

Prescription Drug Price - Average Wholesale Price less 13% discount

Administrative Services Fee - \$3.75 per prescription

Dispensing Fee - (included in Administrative Services Fee)

**NOW THEREFORE**

BE IT RESOLVED, That the contract for the program of providing PPO pharmacy services to eligible regional campus faculty and staff be awarded for an eight-month period beginning November 1, 1990, with the pricing, fees, and performance of the provider to be reviewed on July 1, 1991, and annually thereafter. This contract will remain in force after the initial term until the Administration deems it appropriate to recommend review of the designated provider and/or seek a new pricing quotation.

Upon motion of Amb. Wolf, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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Mrs. Bowser:

Is Senator Suhadolnik with us? We have had a request from you to address the Board, Senator.

Senator Gary C. Suhadolnik:

Thank you, very much. It is kind of funny; normally, it is the other way around. It is kind of a unique circumstance to appear before a committee, but I do appreciate you giving me the opportunity. Also, I'm normally sitting on the other side of the table. Knowing how painful it is to go through long testimony, I will be very brief. But, I thought it was important that I make a personal appearance to express some concerns that I have.

Specifically, it was pointed out to me by someone who wrote a letter to my office that, in fact, there is an Office of Gay, Lesbian, and Bisexual Affairs that has been established at the University. As one who is responsible for setting public policy in the State -- and the University is obviously an arm of that -- I guess that I am rather concerned that somehow we are endorsing, or encouraging, or lending credibility, or giving any stature to a gay, homosexual, and lesbian organization. My concept of equal rights is that equal rights for all means special privileges for none. And so by granting them a special office, somehow you are granting them some special rights.

I don't believe in violence and I don't believe in discrimination. And I am not so naive to believe that gays and homosexuals aren't the subject of some discrimination or possibly some violence maybe right here on campus. But I guess I somehow believe that the current University structures and institutions can deal with that. If there is violence against them, then I would assume that the campus police would be brought in. Just as I heard someone talking about some program here to protect women, I would assume that some program might be established to ensure that certain areas of the campus were made safer, or attempt to make them safer, by putting up some more lights, more police, or whatever might be the need. If professors are discriminating against those groups, I would assume that someone would go to the dean of that particular college and ask them if they would straighten

Senator Suhadolnik: (contd)

out the various faculty under their control so there is no discrimination. So I guess I really don't know why we need to set up a separate office for this particular group.

If you are to take this one step further -- certainly there is a group out there that has some believes and a different life style that I don't particularly condone, but there are many other groups out there, and I don't think this University would think twice about them. What if the Nazi's decided -- there might be some members on campus who decided that they were discriminated against, would you set up an office for that? You certainly would not. What about if the Moonies came forward on campus and said they wanted an office because they were discriminated against. Would an office be set up for them? I doubt seriously that it would be. So, I just guess I find this rather shocking that this has happened.

Now, I guess it is my understanding that these are not tax dollars that are subsidizing this office, but, in fact, student fees. Either way, I still have some responsibility for setting public policy, and when there is something that I disagree with, I think I need to let you know. And I come here maybe wearing two hats in that not only am I a State Senator, but I will say a proud father of a student who goes here. I am generally very pleased with the activities and the education here on campus, but this is one area that I have some concerns about. So I thought I needed to express it to you.

I also would say, with all due respect, that I'm not going to go away. So I hope somehow we can resolve this. If not, it just seems as time goes on through Legislative process we bump into Ohio State -- I wouldn't say on a day to day basis, but quite often. So I'm just not going to go away. I think this is a very important issue and I hope somehow we can resolve this.

Mrs. Bowser:

Thank you. I am going to ask Dr. Hutchinson, our Provost, to make a response.

Dr. Hutchinson:

Thank you, Madam Chairperson. Senator, I would point out that this campus has grown and did grow in the period of the 1950's and '60's, very, very rapidly. Presently we have a student body is about 54,000 on this campus. I think that it is obvious that as the campus grew, there was a strong concern that existed to keep it an approachable campus, a place that people could feel that they had an opportunity to participate and be recognized. We also know that much of the social and intellectual development of students occurs outside the classroom. For that reason, most universities have set up a division of student affairs, an office that relates to students and their many activities on the campus outside of the classroom. We have a Vice Provost for Student Affairs, who is responsible for that area and have several offices under the Office of Student Affairs in the whole area of student life.



October 5, 1990 meeting, Board of Trustees

Dr. Hutchinson: (contd)

We have found over the years that an effective way of relating to the large number of students on this campus is to recognize that they come to us in areas of interests, concerns, and needs. We have a variety of offices that have been created over the years to work with Greek organizations, Minority Affairs, and a great many other organizations in the ways that students come together and have concerns. Because it is obvious that society has come to accept that gays, lesbians, and bisexuals have rights and the right to be treated as equals in society, and certainly a university is the place that should exemplify that. Therefore, we did, a little over a year ago, create the Office that the Senator refers to.

It is an Office that has a budget of about \$64,000, a director, and some assistants to work with a large number of students. If one recognizes that the national figures show that approximately 10 percent of our population falls into this category. And if that is true in our student body, and we wouldn't know that necessarily, that is a very large number of students on this campus who we feel responsible to recognize and to work with. And thus the Office was created. We can't say that some State funds are not going towards supporting this Office. Because, in fact, money that comes to my office and then goes out to support this is a blending of funds that come to the institution -- some of which are State funds, some which are tuition, and some of which are student fees. So this we would not want to say is totally funded from students fees, because it is not. Thank you, Madam Chairperson.

Mrs. Bowser:

Thank you. I would like to acknowledge, Senator, that on behalf of the entire Board we have indeed received your letters and have given much thought and consideration to the concerns that you have raised in those letters. You have reaffirmed those concerns this morning, and I want you to know that all of us here at the University -- the Board, as well as the administration -- are very sensitive about the issues that you have raised. We are also aware of and sensitive to the need to ensure that the University has in place appropriate and reasonable programmatic structures to address the diverse interests of our students, faculty, and staff. As the administration moves through this transition period, you can be assured that a more in-depth response will be provided to you with regard to this particular matter. We thank you for appearing before us this morning.

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Thereupon the Board adjourned to meet Friday, November 2, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Attest:

Madison H. Scott  
Secretary

Shirley D. Bowser  
Chairperson

Page 426 Blank

**APPENDIX XX**

**THE OHIO STATE UNIVERSITY ENDOWMENT SUMMARY**  
**September 21, 1990**

**Presented to the Investments Committee and**  
**Adopted by the Board of Trustees, October 5, 1990**  
**(See page 372)**

# **THE OHIO STATE UNIVERSITY**

## **ENDOWMENT FUND**

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### **ENDOWMENT SUMMARY**

**September 21, 1990**

**Office of the Treasurer**



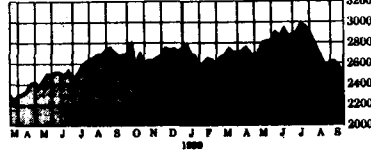
# The Ohio State University Endowment Fund

## Equity Market Information

### MARKETS DIARY

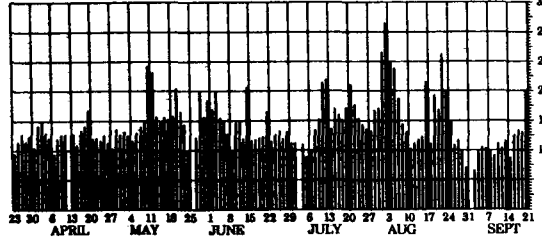
9/21/90

#### STOCKS Dow Jones Industrial Average



INDEX	CLOSE	NET CHNG	PCT CHNG	12-MO HIGH	12-MO LOW	12-MO CHNG	PCT	FROM 12/31	PCT
DJIA	2512.38	-5.94	-0.24	2989.75	2483.42	-168.23	-6.31	-240.82	-8.75
DJ Equity	288.37	-0.30	-0.10	342.67	284.13	-37.49	-11.51	-41.58	-12.61
S&P 500	311.32	-0.16	-0.05	368.95	307.06	-35.73	-10.30	-42.08	-11.91
Nasdaq Comp.	382.25	-2.18	-0.60	485.73	360.22	-106.82	-22.61	-92.57	-20.25
London (FT 100)	2625.5	+8.6	+0.43	2462.7	2016.9	-344.7	-14.54	-397.2	-16.39
Tokyo (Nikkei)	23777.83	+174.85	+0.74	38915.87	23682.96	-10893.96	-31.62	-15138.04	-38.90

#### NYSE Volume



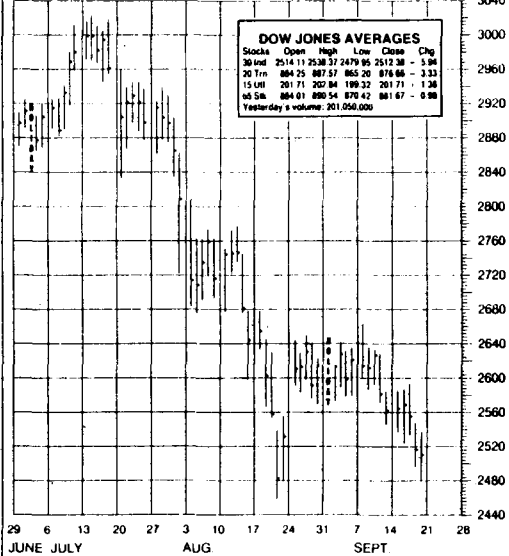
#### DOW JONES 30 INDUSTRIALS

High  
Close  
Low

##### DOW JONES AVERAGES

Stocks	Open	High	Low	Close	Chg
30 Ind	2514.11	2538.37	2479.95	2512.38	-5.94
30 Trn	884.25	887.57	865.20	876.86	-3.33
15 Ind	201.71	202.84	199.32	201.71	-1.38
15 Trn	884.01	886.54	870.42	881.67	-0.98

Yesterday's volume: 301,050,000



## 430

**AVERAGES OF DAILY RATES**

PERCENT 12.0

11.0

10.0

9.0

8.0

7.0

0

PRIME BANK

CORPORATE AAA BONDS

SO. PAY

COMMERCIAL PAPER

MUNICIPAL BONDS

JUL 01 04 08 11 15 18 21 25 28 31 AUG 03 06 09 12 15 18 21 24 27 30 SEP 01 04 07 10 13 16 19 22 25 28 31

1980

1980

PERCENT 12.0

1990	90 DAY CD'S	30-DAY COMBINED FUTURES	90-DAY TREASURY ACCEPTANCES	CORPORATE BOND	CORPORATE BOND	MUNICIPAL BOND
JULY 8	8.24	9.23	7.98	9.23	10.20	7.24
13	8.25	9.23	7.98	9.26	10.23	7.21
20	8.04	9.07	7.82	9.18	10.19	7.17
AUG. 27	7.98	9.27	7.77	9.26	10.19	7.15
3	7.99	9.07	7.77	9.18	10.14	7.08
10	7.87	9.02	7.85	9.34	10.34	7.22
17	7.87	9.07	7.73	9.34	10.34	7.22
24	8.06	9.07	7.80	9.50	10.54	7.58
SEP. 31	8.04	9.03	7.60	9.38	10.36	7.47
7	7.94	9.04	7.77	9.34	10.44	7.41
14	7.87	9.02	7.73	9.38	10.36	7.47
21	8.01	9.07	7.73	9.52	10.55	N.A.
28			7.79			

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

**AVERAGES OF DAILY RATES**

PERCENT 11.0 10.0 9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 0

FEDERAL FUNDS RATE

5-YEAR TREASURY SECURITIES

3-MONTH TREASURY BILL

DISCOUNT RATE

JUL 1949 AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP 1950

PERCENT 11.0 10.0 9.0 8.0 7.0 6.0 5.0 4.0 3.0 2.0 1.0 0

1990	FEDERAL FUNDING	3-MONTH TREASURY BILL	6-MONTH TREASURY BILL	1-YEAR TREASURY BILL	3-YEAR TREASURY SECURITIES	LONG-TERM TREASURY SECURITIES
JULY						
6	8.33	7.71	7.60	7.49	8.36	9.36
13	8.33	7.71	7.59	7.33	8.43	8.87
20	8.16	7.57	7.52	7.34	8.12	8.64
27	8.04	7.53	7.40	7.33	8.30	8.85
AUG. 3	8.03	7.53	7.37	7.18	8.22	8.78
10	8.17	7.37	7.19	7.18	8.36	8.91
17	8.03	7.19	7.12	7.09	8.36	9.08
24	8.30	7.45	7.45	7.30	8.02	8.12
31	8.08	7.60	7.48	7.32	8.36	9.08
SEP. 7	8.25	7.36	7.36	7.24	8.47	9.04
14	8.12	7.88	7.34	7.24	8.36	9.08
21	8.18	7.38	7.30	7.24	8.49	9.10

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

# THE OHIO STATE UNIVERSITY

## Portfolio Summary

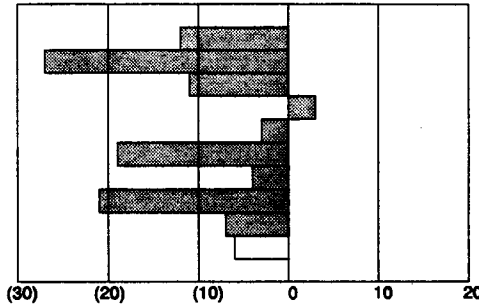
	<u>9/21/90</u>	<u>8/30/90</u>				
Unallocated Cash	\$10,373,992	\$3,075,797				
Equities:						
Chicago	31,992,445	38,632,387				
R. Meeder	10,189,816	13,001,471				
Neuberger & Berman	12,648,270	14,170,710				
Nicholas Applegate	13,173,133	15,494,958				
Siebel	31,584,288	36,744,939				
University Managed	24,829,914	33,379,715				
University Students	4,725,190	5,622,381				
Wells Fargo EAFE	7,680,526	9,088,214				
Wells Fargo S&P 500	26,779,466	30,747,343				
Total Equities	163,581,048	196,882,118				
Fixed Income:						
Boatmen's Trust	21,424,703	23,329,632				
Cambridge	864,635	921,596				
Duff & Phelps	9,963,231	10,142,463				
WR Lazard	9,684,538	9,888,684				
STW Fixed Income	22,153,152	23,393,709				
University GNMA	9,950,692	10,088,124				
University Managed	245,569	289,044				
Total Fixed Income	74,306,520	78,053,252				
Real Estate	43,864,413	43,869,131				
Total Portfolio	<u>\$292,125,973</u>	<u>\$321,880,298</u>				
<u>Asset Allocation</u>	<u>9/21/90</u>	<u>% of Portfolio</u>	<u>8/17/90</u>	<u>% of Portfolio</u>	<u>6/30/90</u>	<u>% of Portfolio</u>
Equities	\$149,924,820	51.32	\$160,582,632	53.73	\$183,784,582	57.09
Fixed Income	73,283,197	25.09	74,158,170	24.81	77,004,000	23.92
Real Estate	43,778,500	14.99	43,778,500	14.65	43,778,500	13.60
Cash	25,139,456	8.60	20,356,323	6.81	17,333,216	5.39
Total	<u>\$292,125,973</u>	<u>100.00</u>	<u>\$298,875,625</u>	<u>100.00</u>	<u>\$321,880,298</u>	<u>100.00</u>

# THE OHIO STATE UNIVERSITY Endowment Performance Summary

## Estimated 12 Month Total Return

### Equities

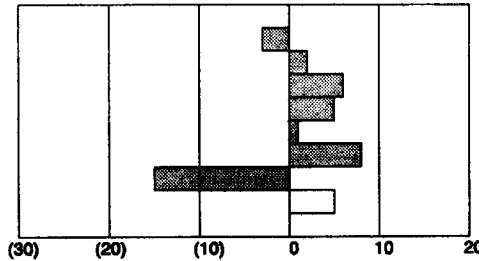
Chicago Corp (0.6)  
R. Meeder (1.9)  
Neuberger & Berman (0)  
Nicholas Applegate (3.8)  
Siebel (39.4)  
University Managed (0)  
University Students (6.4)  
Wells Fargo EAFE (0)  
Wells Fargo S&P 500 (0)  
S&P 500 (0)



	Yield%	Market Value Change%	Total Return%
Chicago Corp	2.4	(14.1)	(11.7)
R. Meeder	2.3	(29.4)	(27.1)
Neuberger & Berman	2.9	(13.6)	(10.7)
Nicholas Applegate	1.2	1.4	2.6
Siebel	4.3	(7.4)	(3.1)
University Managed	2.4	(21.1)	(18.7)
University Students	1.6	(5.5)	(3.9) [1]
Wells Fargo EAFE	1.9	(23.2)	(21.3) [2]
Wells Fargo S&P 500	3.3	(10.7)	(7.4) [3]
S&P 500	3.5	(9.8)	(6.3)

### Fixed Income

Boatmen's Trust (0.1)  
Cambridge (0.2)  
Duff & Phelps (1.2)  
WR Lazard (0.3)  
STW Fixed Income (1.0)  
University GNMA (6.3)  
University Managed (0)  
Shearson Govt/Corp (0)



	Yield%	Market Value Change%	Total Return%
Boatmen's Trust	7.3	(9.8)	(2.5)
Cambridge	8.1	(6.1)	2.0
Duff & Phelps	8.5	(2.8)	5.7
WR Lazard	8.8	(3.8)	5.0
STW Fixed Income	8.9	(7.9)	1.0
University GNMA	9.6	(1.9)	7.7
University Managed	17.7	(32.3)	(14.5)
Shearson Govt/Corp	9.1	(4.1)	5.0

( ) Percent Cash 9/21/90

[1] Reflects return from initial allocation February 20, 1990 only.

[2] Reflects return from initial allocation October 2, 1989 only.

[3] Reflects return from initial allocation October 6, 1989 only.

	Year to Date July 1, 1990 to September 21, 1990	Latest Month August 18, 1990 to September 21, 1990
<u>Change in Total Valuation</u>		
Beginning Market Value	\$321,880,298	\$298,875,825
Principal Additions	5,810,867	3,552,992
Principal Withdrawals	(22,500)	0
Income Reserve	(780,433)	0
Change in Market Value	(34,562,059)	(10,302,844)
Ending Market Value	<u>\$292,125,973</u>	<u>\$292,125,973</u>

NOTE: Endowment Income from July 1, 1990 through September 30, 1990, totaled approximately \$3,637,000.



**THE OHIO STATE UNIVERSITY**  
**Maturities and**  
**Real Estate Activity**

**MATURITIES THAT OCCURRED DURING PERIOD**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>
------------------	--------------------------------	----------------

No maturities during the period.

**REAL ESTATE**

**Acquisitions & Sales**

<u>Description</u>	<u>Cost or</u> <u>Appraised Value</u>
--------------------	--

No activity during the period.

**THE OHIO STATE UNIVERSITY**  
**Equity Acquisitions**

Purchases and Gifts During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
3,700	American Information Technologies Corp.	Chicago	54.4173	\$201,584.50	\$11,692.00
8,300	Durr Fillauer Medical, Inc.	Chicago	23.6524	196,315.20	2,490.00
11,400	Hon Industries, Inc.	Chicago	17.6603	201,327.00	3,420.00
1,300	Lincoln Telecommunications, Inc.	Chicago	25.1250	32,662.50	962.00
2,000	Microsoft Corp.	Chicago	60.7352	121,470.40	0.00
4,300	NACCO Industries, Inc.	Chicago	46.0320	198,217.00	2,580.00
2,300	Pacific Telecom, Inc.	Chicago	25.6800	59,064.00	2,530.00
5,400	Pacific Telesis Group, Inc.	Chicago	38.7848	209,680.60	10,908.00
6,400	Tandy Corp.	Chicago	29.0615	186,409.60	3,840.00
10,700	Western Waste Industries, Inc.	Chicago	18.8923	202,147.10	0.00
7,600	Chemical Waste Management, Inc.	Nicholas-Applegate	21.0139	160,161.50	1,216.00
7,500	Chiron Corp.	Nicholas-Applegate	34.9267	261,950.00	0.00
1,700	ConAgra, Inc.	Nicholas-Applegate	32.4536	55,273.13	1,020.00
12,200	Genentech, Inc.	Nicholas-Applegate	26.1676	319,977.08	0.00
7,100	General Motors Corp. Cl. E	Nicholas-Applegate	34.4142	244,767.10	3,976.00
5,900	Humana, Inc.	Nicholas-Applegate	44.2207	261,256.30	7,080.00
3,500	Novell, Inc.	Nicholas-Applegate	25.1250	87,937.50	0.00
7,300	Pittson Co.	Nicholas-Applegate	19.7090	144,313.80	1,460.00
4,400	Reynolds Metal Co.	Nicholas-Applegate	65.3965	288,008.44	7,920.00
2,300	Southwest Airlines Co.	Nicholas-Applegate	24.2500	55,913.00	230.00
15,000	Geraghty & Miller, Inc.	Siebel	10.0000	150,000.00	0.00
5,000	Horsehead Resource Development, Inc.	Siebel	13.2500	66,250.00	0.00
5,000	Mobil Corp.	University Students	62.5000	312,800.00	14,500.00
				<u>\$4,017,485.95</u>	<u>\$75,624.00</u>

# THE OHIO STATE UNIVERSITY

## Equity Sales

### Sales Made During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
11,576	Archer Daniels Midland Co.	Chicago	23.8350	\$275,152.32	\$127,700.50
5,600	Borden, Inc.	Chicago	31.5240	178,164.51	149,717.84
4,400	Cincinnati Bell, Inc.	Chicago	20.1150	88,217.24	20,230.20
2,000	Clorox Co.	Chicago	38.5920	77,051.42	14,871.42
2,100	General RE Corp.	Chicago	72.0660	151,197.05	(33,882.75)
4,500	Georgia Pacific Corp.	Chicago	39.0400	175,381.46	(12,223.54)
11,200	Gerber Scientific, Inc.	Chicago	7.7528	88,100.88	(125,562.74)
5,181	Hubbell, Inc. Cl. B	Chicago	40.0000	206,896.33	37,437.37
2,600	Sonoco Products Co.	Chicago	27.0000	70,200.00	(10,430.95)
5,800	Southern NE				
	Telecommunications Corp.	Chicago	29.0059	167,851.48	8,444.78
7,200	Wal-Mart Stores, Inc.	Chicago	28.6141	205,546.92	100,120.92
10,200	Banc One Corp.	Nicholas-Applegate	23.4249	238,313.71	(89,291.05)
3,700	Costco Wholesalers Corp.	Nicholas-Applegate	34.8784	129,050.01	44,088.50
3,200	Federal National Mortgage Assn.	Nicholas-Applegate	28.3074	90,388.75	(38,426.52)
3,300	Fluor Corp.	Nicholas-Applegate	35.7905	117,906.64	36,472.71
5,100	Home Depot, Inc.	Nicholas-Applegate	33.4798	170,435.39	112,313.75
9,200	Primerica Corp.	Nicholas-Applegate	24.3123	223,113.83	(55,717.01)
10,550	Toys-R-Us, Inc.	Nicholas-Applegate	25.1669	264,869.35	85,403.40
3,375	Waste Management, Inc.	Nicholas-Applegate	33.3260	112,289.00	(14,715.38)
7,198	Wheelabrator Technologies, Inc.	Nicholas-Applegate	38.4356	276,850.19	0.00
10,000	American Stores Co.	Siebel	56.4100	563,381.19	14,314.08
5,000	Hilton Hotels Corp.	Siebel	33.0000	164,644.50	(124,555.50)
15,000	Rochester Telephone Co.	Siebel	27.0160	404,177.19	(101,247.81)
20,000	Tandem Computers, Inc.	Siebel	11.3050	226,092.41	(137,545.59)
10,000	United States Shoe Corp.	Siebel	12.8250	125,545.79	(98,534.21)
				<u>\$4,788,597.54</u>	<u>(\$89,019.58)</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Acquisitions**

**Purchases and Gifts During Period**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Current Yield</u>	<u>Yield to Maturity</u>	<u>Price</u>	<u>Investment</u>
1,050,000	Federal Home Loan Mortgage Series 191 7.000% 09-15-21	Boatmen's	8.8423	9.0060	79.1650	\$831,232.50
2,055,000	Resolution Funding Corp. 8.875% 07-15-20	STW	9.2841	9.3120	95.5937	1,964,451.56
2,325,000	U.S. Treasury Bond 7.250% 05-15-16	STW	8.8460	9.0710	81.9582	1,905,527.34
3,300,000	U.S. Treasury Bond 7.500% 11-15-16	STW	8.9336	9.1180	83.9531	<u>2,770,453.13</u>
						<u><u>\$7,471,664.53</u></u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Sales**

**Sales Made During Period**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Price</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
956,081	USGI FHA Pool #2024 7.880% 05-01-17	Boatmen's	88.9000	\$849,956.16	\$30,116.39
2,178,000	Resolution Funding Corp. 8.125% 10-15-19	STW	88.1370	1,919,623.86	(108,373.64)
4,000,000	U.S. Treasury Bond 10.750% 08-15-05	STW	112.9121	<u>4,516,484.38</u>	<u>(315,706.69)</u>
				<u><u>\$7,286,064.40</u></u>	<u><u>(\$393,963.94)</u></u>

**THE OHIO STATE UNIVERSITY**  
**Real Estate Investments**

	<u>Yield</u>	<u>Year</u> <u>Acquired</u>	<u>Carrying</u> <u>Value</u>	<u>Appraised</u> <u>Value</u>	<u>Date</u> <u>Appraised</u>
Busch Boulevard Centre	9.36%	1990	\$4,275,000	\$4,275,000	10/89
46.984 acres of land in Delaware County	0.55%	1971	100,793	641,000	06/89
Hangar at Don Scott Field (Loan)	0.00%	1973	21,999 (1)	21,999	N/A
Hangar addition at Don Scott Field (Loan)	10.00%	1978	63,914 (1)	63,914	N/A
17.92 acres of land on Elterman Road	0.00%	1978	25,152	725,000	05/88
51 acres of land, 2809 West Granville Road	0.00%	1962	160,265	2,896,000	06/89
48.52 acres of land, 3025 West Granville Road	0.00%	1972	544,398	4,367,000	06/89
76.143 acres of land, 3253 West Granville Road	0.03%	1968	310,538	6,853,000	06/89
30.539 acres of land, 3371 West Granville Road	0.00%	1971	265,079	2,749,000	06/89
32 acres of land, 3371 West Granville Road	0.19%	1986	2,078,688	2,880,000	06/89
12 acres of land, 3483 West Granville Road	0.00%	1965	24,000	1,080,000	06/89
8.557 acres of land, 3505 West Granville Road	0.00%	1968	17,114	770,000	06/89
Undivided one-half interest in building and					
.65 acres at 1375 South Hamilton Road	2.94%	1988	95,000	95,000	01/86
94.5 acres of land on Harrisburg Pike	0.00%	1988	190,000	283,000	06/89
Building and 2.633 acres at 1900 Kenny Road	21.84%	1961	659,930	1,250,000	06/89
ding and 6.41 acres at 1960 Kenny Road	17.36%	1971	1,320,693	2,500,000	06/89
Building and 6.328 acres at 1991 Kenny Road	8.81%	1968	170,000	696,000	06/89
Building and 3.295 acres at 930 Kinnear Road	7.97%	1962	435,204	1,550,000	06/89
Building and 5.56 acres at 1100 Kinnear Road	3.74%	1984	825,000	2,850,000	06/89
20.988 acres of land on Shier-Rings Road	0.00%	1978	241,848	1,155,000	08/89
Veterans Administration Clinic	8.08%	1979	3,767,261	6,363,500	06/90
			<u>\$15,591,854</u>	<u>\$43,864,413</u>	

(1) Amount represents balance on loan made to Department of Aviation

**APPENDIX XXI**

**THE OHIO STATE UNIVERSITY  
QUARTERLY PERFORMANCE COMPARISON REPORTS  
September 21, 1990**

**Presented to the Investments Committee and  
Adopted by the Board of Trustees, October 5, 1990  
(See page 373)**

**THE OHIO STATE UNIVERSITY**  
**ENDOWMENT FUND**

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**QUARTERLY PERFORMANCE  
COMPARISON REPORTS**

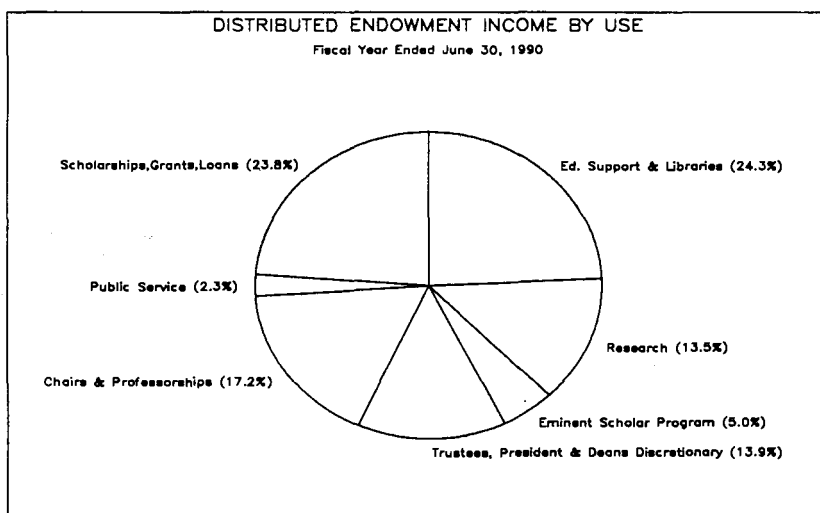
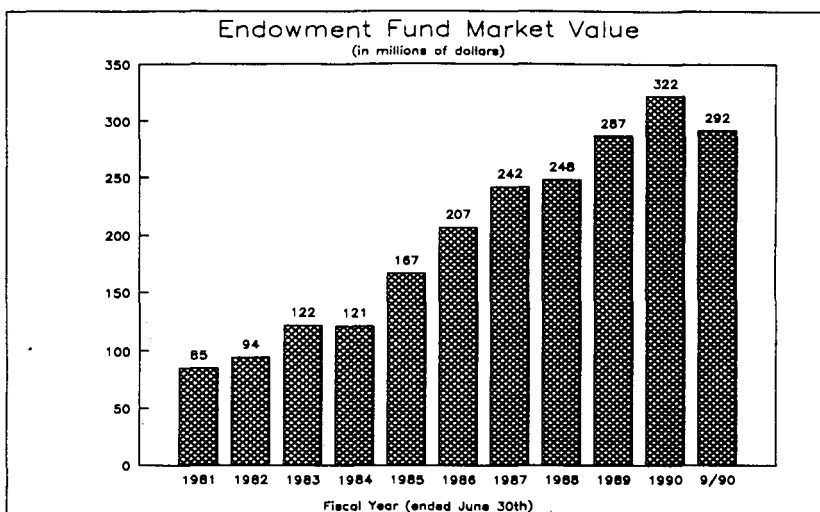
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**Office of the Treasurer**

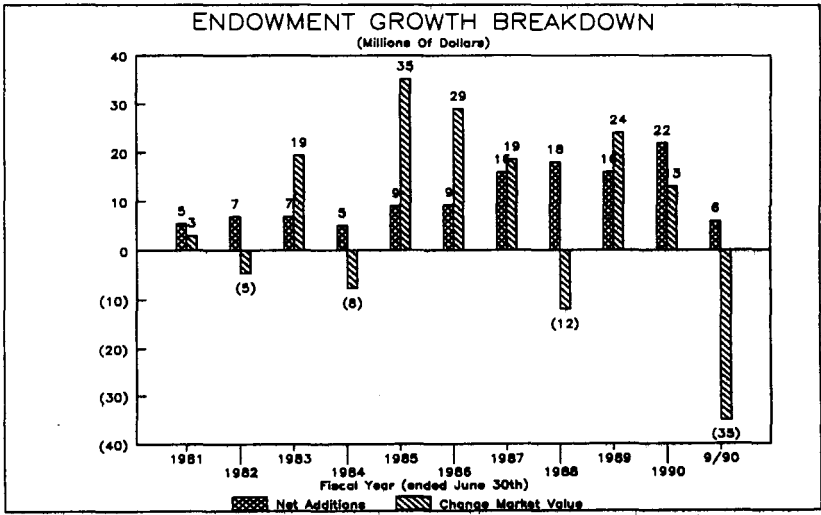
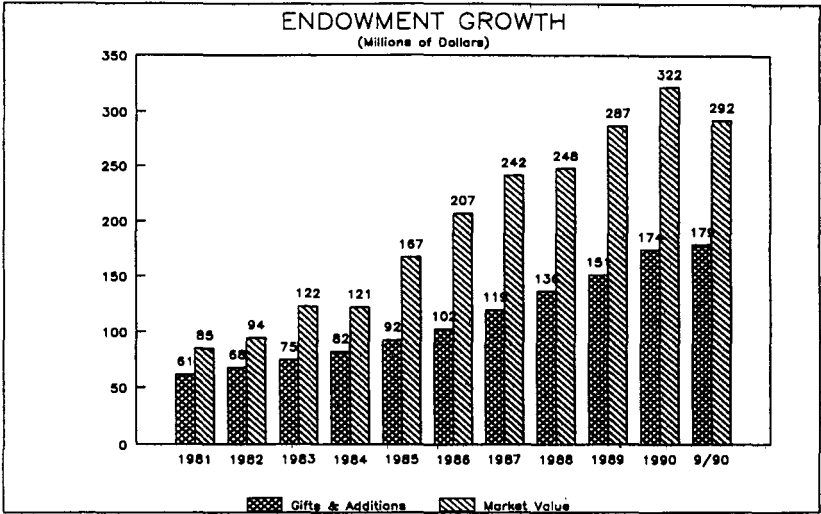




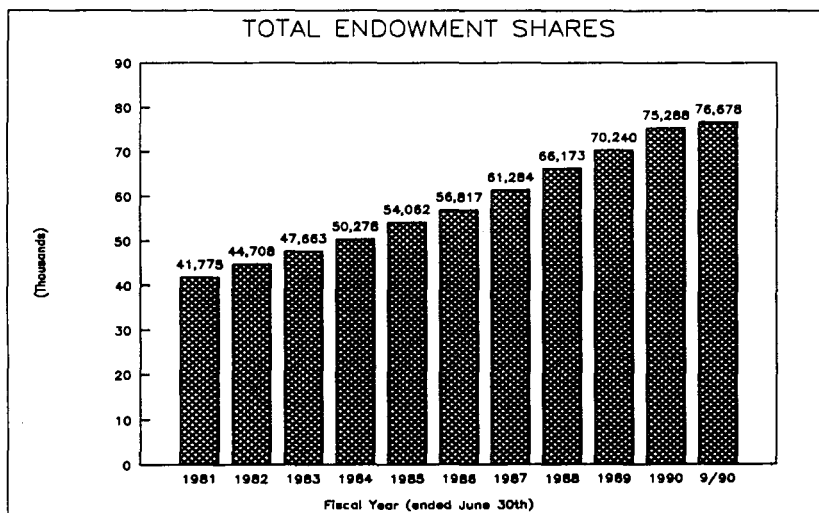
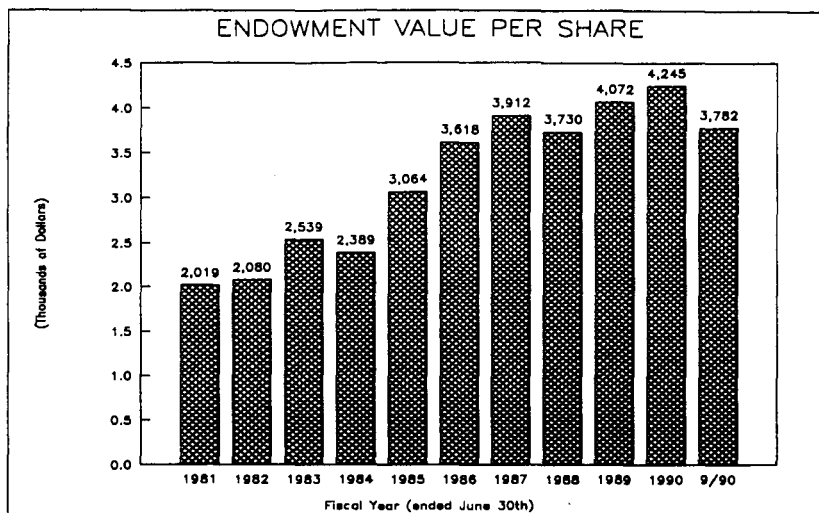
# THE OHIO STATE UNIVERSITY ENDOWMENT FUND



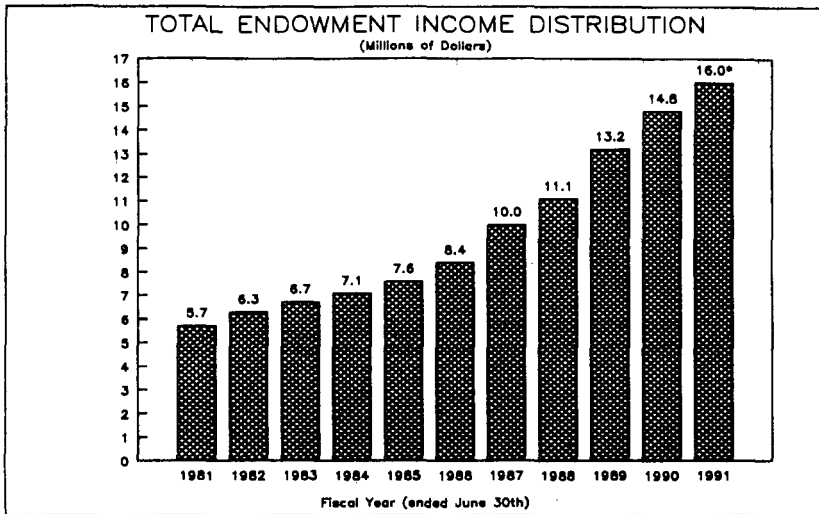
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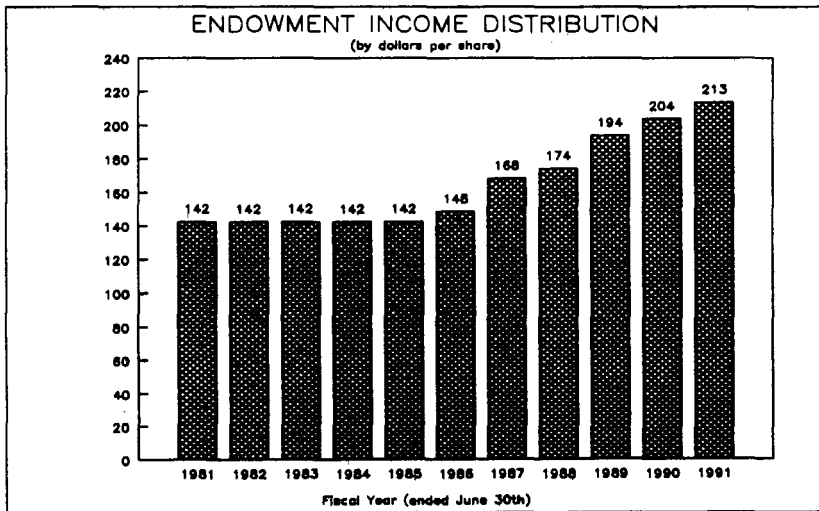
## THE OHIO STATE UNIVERSITY ENDOWMENT FUND



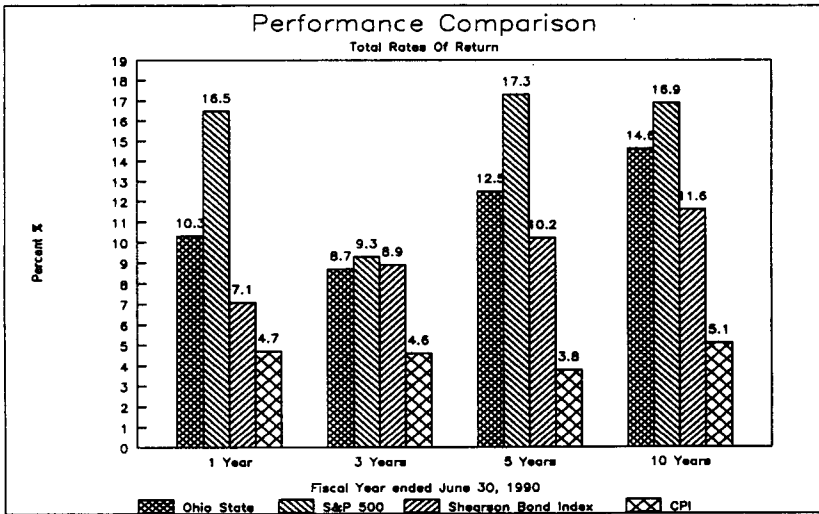
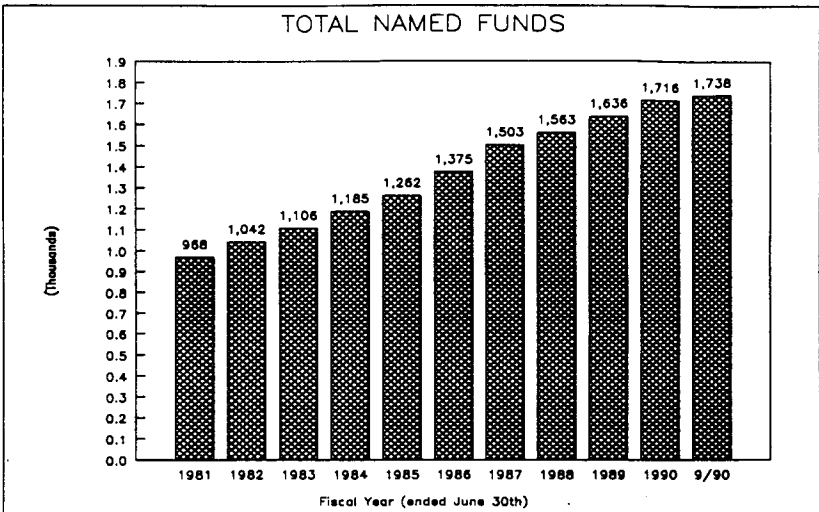
## THE OHIO STATE UNIVERSITY ENDOWMENT FUND



\*Distribution for 1991 through August.



THE OHIO STATE UNIVERSITY ENDOWMENT FUND





Office of the Treasurer

Riverwatch Tower - Suite B  
364 West Lane Avenue  
Columbus, OH 43201-1002  
Phone 614-292-6261

## MEMORANDUM

Subject: Proxy Solicitations

Date: September 30, 1990

From: James L. Nichols, Treasurer

To: Board of Trustees, The Ohio State University

During September 1990, the University voted sixteen proxies.

Management proposals were as follows:

- 1) Election of the Board of Directors;
- 2) Amendment to increase authorized Class A common shares;
- 3) Ratification of the independent auditors;
- 4) Approval to restructure the corporation into a holding company;
- 5) Amendment to increase the number of authorized Class B common shares;
- 6) Amendment to clarify voting rights of holders of Class A and Class B common shares;
- 7) Approval of the Stock Incentive Plan;
- 8) Adoption of the 1990 Stock Plan, and subsequent amendments to the Plan;
- 9) Approval of a Merger Plan;
- 10) Approval of the 1990 Salary Replacement Stock Option Plan;
- 11) Adoption of a Stock Plan for non-employee directors;
- 12) Approval to delete the secondary investment objective from the portfolios;
- 13) Amendment restating the investment limitations of each portfolio;
- 14) Approval of the 1990 Stock Incentive Plan;
- 15) Authorization to issue non-voting shares of Preferred Stock.

The shareholder proposals were as follows:

- 1) Request the Company terminate all remaining economic relationships with South Africa;
- 2) Request that directors provide for cumulative voting of shares;
- 3) Reinstatement of the annual election of directors;

- 4) Request to change the time of the meeting;
- 5) Insure that hourly employees have the opportunity to serve as directors;
- 6) Prohibit the Company from purchasing coffee from El Salvadoran suppliers until there is a peaceful settlement to the war.

The University voted for all Management proposals, for shareholder proposal number 1, and against all other shareholder proposals. Additionally, Management opposed the shareholder proposals.

The sixteen corporations were:

- 1) Adolph Coors Company
- 2) Archer-Daniels-Midland Company
- 3) Briggs and Stratton Corporation
- 4) The Clorox Company
- 5) ConAgra Incorporated
- 6) Corroon and Black Corporation
- 7) Dean Foods Company
- 8) General Mills Incorporated
- 9) Morrison, Incorporated
- 10) NCC Funds
- 11) NIKE, Incorporated
- 12) Premier Industrial Corporation
- 13) The Procter and Gamble Company
- 14) RPM, Incorporated
- 15) Tektronix, Incorporated
- 16) Tyco Laboratories, Incorporated

Page 448 Blank



## APPENDIX XXII

### ENVIRONMENTAL RESOURCES INFORMATION AND EDUCATION

Presented to the Agricultural Affairs Committee  
October 5, 1990  
(See page 389)

## Environmental Resources Information and Education (ERIE)

Rosanne W. Fortner

In education we are aware that there exists a *teachable moment*, a situation in which all factors come together to produce the optimum conditions for learning. The teacher who is able to anticipate that opportunity and is prepared to respond can create an instant and lasting awareness of the situation, an internal spark that could never be derived from a textbook.

The decade of the '90s is the teachable moment for the "endangered planet." Events of the last two years have vividly shown that as we seek to improve our living standards, we create inadvertent threats to human lives and natural resources. The mass media and other masses have sought to become environmental educators. Is their message correct? Current? Committed?

In the School of Natural Resources, environmental education has been strong in all of its 22 year history. Our methods have changed, but not our message; our habitat has expanded, and so has our niche. The environmental educators of the '70s have *become* "Environmental Resources Information and Education" (ERIE) for the '90s.

Our faculty of about 4 FTE is responsible for 25 courses and is administering sponsored projects worth \$1.3 million. Our research and development activities focus on

- Environmental knowledge and attitude assessment, especially in developing countries
- Effective methods for dissemination of environmental information
- Curriculum development for formal and nonformal education
- Teacher enhancement; Global climate change education
- Marine and aquatic education

We are internationally known for leadership in the field: all our faculty have been Presidents in their professional societies and active in international cooperative efforts. The clearinghouse for environmental education research literature (ERIC/SMEAC) is at OSU, as is the headquarters of the Great Lakes education efforts of the International Joint Commission, the Secretary General's office for the International Society for Environmental Education, the home office for the Program for Leadership in Earth Systems Education. New thrusts link us with the Center for Mapping, Civil Engineering, and the Byrd Polar Research Center. Cooperative activities with Educational Studies and Biological Sciences have always been productive, and they continue to offer new opportunities.

To teach the technologies of environmental communication, to support the eager young graduate students who are determined to make their careers in environmental information and education, and even to enhance our own classroom materials and professional visibility, we continually pursue programmatic partners and support. We critically need additional faculty to respond to the growing demands for our courses and outreach expertise. With a PhD program we will be able to attract bright newcomers into the field and expand our potential for professional contributions. Theodore Roosevelt admonished us to "do what you can, with what you have, where you are." Our programs have stretched "what we have" to its maximum, and with great success, and we are now poised to grow with the challenges of increased environmental awareness. We expect that new state and federal legislation, along with cooperative programs through the College and University, will foster needed enhancement of programs, and we look forward to a period of expansion to take full advantage of this teachable moment in earth's history.

OSU Board of Trustees, 5 October 1990.

APPENDIX XXIII

MORRILL AND LINCOLN TOWERS UPGRADE -  
PHASES II, III, AND IV

Adopted by the Board of Trustees, October 5, 1990  
(See page 416)

## **Request for Construction Bids**

### **Background**

#### **Morrill and Lincoln Towers Upgrade - Phases II, III, and IV**

This project will accomplish "cosmetic" and maintenance upgrades to Morrill and Lincoln Tower dormitories. The first phase of this project, which has been completed, provided an upgrade to floors 21 and 22 in Morrill Tower. The planned additional upgrades will be accomplished in three phases. Phase II involves floor 23 and floors 15 through 20 in Morrill Tower; Phase III involves floors 5 through 14 in Morrill Tower; and Phase IV involves floors 16 through 23 in Lincoln Tower.

Funds for this project are available from Dormitory Revenue Funds, Dormitory Revenue Contingency Funds, and from future University bond proceeds. Construction costs for Phase II are estimated at \$2,852,500.00, and the total estimated Phase II project cost is \$3,116,000.00. Construction costs for Phase III are estimated at \$4,075,000.00, and the total estimated Phase III project cost is \$4,451,000.00. Construction costs for Phase IV are estimated at \$3,260,000.00, and the total estimated Phase IV project cost is \$3,561,000.00.

**APPENDIX XXIV**

**DOAN HALL - IMPROVEMENTS TO WOMEN AND INFANTS PROGRAM  
CLINICAL MAGNETIC RESONANCE IMAGING FACILITY - PHASE II**

**Adopted by the Board of Trustees, October 5, 1990  
(See page 417)**

**Employment of Architects/Engineers and  
Request for Construction Bids**

Background

Doan Hall - Improvements to Women and Infants Program

This project will provide facilities to add two labor and delivery rooms and improve lockers; expand the Neo-natal Intensive Care Unit; provide GYN "stepdown" beds; and renovate areas for offices for the Women and Infants Program.

Funds for this project are available from University Hospitals funds. Construction costs are estimated at \$450,000.00, and the total estimated project cost is \$562,000.00.

Clinical Magnetic Resonance Imaging Facility - Phase II

This project will construct a one-story addition of approximately 2,700 gross square feet to Means Hall to house a new 1.5 Tesla instrument. The new addition is planned to best utilize the existing suites and continue the pedestrian traffic patterns inside and outside of Means Hall in the area of the existing and new Magnetic Resonance Imaging suites.

Funds for this project are available from University bond proceeds. Construction costs are estimated at \$405,000.00, steel shielding costs are estimated at \$185,000.00, equipment costs are estimated at \$1,800,000.00, and the total estimated project cost is \$2,500,000.00.

**APPENDIX XXV**

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808**

**Adopted by the Board of Trustees, October 5, 1990  
(See page 417)**

**Employment of Architects/Engineers and  
Request for Construction Bids**

**Projects Funded by Substitute House Bill 808**

**Background**

Substitute House Bill 808, enacted by the Ohio General Assembly, in March 1990, made capital appropriations totaling \$92,711,183.00 for projects at The Ohio State University's Columbus and Regional Campuses for the 1990-1992 biennium. Those appropriations included approximately \$76.4 million for 14 line item projects; \$13.4 million for basic renovations on the Columbus Campus; and \$2.9 million for basic and supplemental renovations at the Regional Campuses, the Agricultural Technical Institute, and OARDC. Most of the specific line item projects and several of the renovation projects previously have been approved by the Board; with the projects included in this resolution, the employment of architects and engineers and request for construction bids will have been approved for all new projects covered by these 1990-92 appropriations, except for three line item projects (totaling \$20.7 million) for which plans are not yet complete. The projects authorized by House Bill 808 for which the University is seeking approval in this resolution total \$13,748,600.00 and are as follows:

**Line Item Projects**

**OARDC - Poultry Research Facility**

This project will replace the deteriorated pole barn, House #9, for male turkeys at the Ohio Agricultural Research and Development Center in Wooster.

Estimated Construction Cost:	\$ 164,000.00
Estimated Project Cost:	\$ 200,000.00

**ATI - Horse and Farm Management Facility**

This project will provide planning for a horse breeding facility and a farm management center. Included in the project is planning for a 5/8 mile track, demonstration barn, an inside and outside arena with storage areas, stall barns, a pole structure to house the farm management office, machinery storage, equipment maintenance shop, and fertilizer storage. The total project cost is estimated at \$2,900,000. However, only planning funds (\$210,000) and utility extension funds (\$90,000) are available at this time.

Estimated Construction Cost:	\$ 90,000.00
Estimated Project Cost:	\$ 300,000.00

**Basic Renovation Projects - Columbus Campus**

**Denney Hall - Relocation of Arts and Sciences Honors Program**

This project will remodel two existing classrooms, rooms 208 and 212, to provide six offices and a reception area for the Arts and Sciences Honors Program, currently housed in inadequate space in the basement of Denney Hall.

Estimated Construction Cost:	\$ 73,800.00
Estimated Project Cost:	\$ 90,000.00



**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Main Library - Roof Replacement, Phase I**

This project will remove approximately 22,000 square feet of built-up roof and install new tapered insulation and a 4 ply built-up roof.

Estimated Construction Cost:	\$ 287,000.00
Estimated Project Cost:	\$ 350,000.00

**Larkins Hall - Exterior Wall Replacement, Phase I**

This project will modify the flashing of the existing mansard type windows along the 50 meter and diving well pools. Insulation will be installed in all uninsulated parapet walls. Concrete repairs will be made to the exterior wall at the north end of the diving well. The brick will be repaired with new expansion joints, weep holes, and regrouting.

Estimated Construction Cost:	\$ 410,000.00
Estimated Project Cost:	\$ 500,000.00

**Smith Laboratory - Mechanical System, Part A**

This project will replace the fan coil units in the old part of Smith Lab. There are 95 units servicing this area, all of which are either non-operable and/or undersized for the application.

Estimated Construction Cost:	\$ 287,000.00
Estimated Project Cost:	\$ 350,000.00

**Smith Laboratory - Mechanical System, Part B**

This project will replace the existing worn out and inefficient absorption chiller in Smith Lab with a new centrifugal chiller. The existing unit, which is a 360 ton machine installed in 1971, is used as the back-up chiller for the building. This unit is no longer operable and must be replaced.

Estimated Construction Cost:	\$ 287,000.00
Estimated Project Cost:	\$ 350,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Smith Laboratory - Mechanical System, Part C**

This project will replace the heating hot water supply and return piping on the first three floors of the south wing of Smith Lab. The existing piping is severely corroded and has been patched in numerous locations. The hot water supply and return piping on the fourth floor was replaced in 1988.

Estimated Construction Cost:	\$ 246,000.00
Estimated Project Cost:	\$ 300,000.00

**Biological Sciences Building Remodeling**

This project is a general upgrade to six teaching laboratories, including replacement of sinks and some laboratory tables and new lighting and utilities.

Estimated Construction Cost:	\$ 246,000.00
Estimated Project Cost:	\$ 300,000.00

**Wiseman Hall Mechanical System Improvements, Part A**

This project will renovate the air handler, redesign the chilled water system, and rezone the second floor for the animal laboratory area.

Estimated Construction Cost:	\$ 197,000.00
Estimated Project Cost:	\$ 240,000.00

**Wiseman Hall Mechanical System Improvements, Part B**

This project will modify the air conditioning system on the third and fourth floors and renovate the utility piping system.

Estimated Construction Cost:	\$ 172,000.00
Estimated Project Cost:	\$ 210,000.00

**Wiseman Hall Mechanical System Improvements, Part C**

This project will replace the chiller and upgrade electric service to the chiller.

Estimated Construction Cost:	\$ 492,000.00
Estimated Project Cost:	\$ 600,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Haskett Hall - Ventilation and Mechanical Systems**

This project will improve the exhaust ventilation for the darkrooms and photographic work area by replacing existing air conditioning units with larger equipment to handle the additional heat load, upgrade the electric service required for this equipment, and provide make-up air systems.

Estimated Construction Cost:	\$ 205,000.00
Estimated Project Cost:	\$ 250,000.00

**Hopkins Hall - Ventilation and Mechanical Systems**

This project will provide proper ventilation to areas which use chemicals as part of art instruction.

Estimated Construction Cost:	\$ 205,000.00
Estimated Project Cost:	\$ 250,000.00

**Communications Lab Demolition**

This project will demolish the Communications Lab building which is beyond reasonable renovation, and provide site restoration.

Estimated Construction Cost:	\$ 307,000.00
Estimated Project Cost:	\$ 375,000.00

**Agriculture Buildings Lab Renovations**

This project includes improvements to two teaching laboratories and two classrooms in Plumb Hall. Also included are improvements to the arena in the Animal Science Building.

Estimated Construction Cost:	\$ 123,000.00
Estimated Project Cost:	\$ 150,000.00

**Campbell Hall Lab Rehabilitation - Phase II**

This project will remodel several inadequate and antiquated instructional and research nutrition and food management laboratories for the Department of Human Nutrition and Food Management in the College of Human Ecology.

Estimated Construction Cost:	\$ 492,000.00
Estimated Project Cost:	\$ 600,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Robinson Laboratory - Centrifugal Chiller Replacement**

This project will install a 150 ton air-cooled chilled water system to replace the worn out centrifugal chiller. System failures, with loss of air conditioning in the building, result in inability to use classrooms while custom parts are being obtained.

Estimated Construction Cost:	\$ 115,000.00
Estimated Project Cost:	\$ 140,000.00

**Page Hall - Roof Replacement**

This project will remove approximately 11,800 square feet of tile roof, install new 90 lb. felt, reinstall existing tile, replace approximately 4,600 square feet of shingles, remove approximately 1,900 square feet of built-up roofing and install new 3 ply built-up roof, remove approximately 2,570 square feet of copper gutter and replace with new copper gutter, and remove approximately 200 linear feet of copper conductor pipe and replace with new copper conductor pipe.

Estimated Construction Cost:	\$ 150,000.00
Estimated Project Cost:	\$ 182,000.00

**Arps Hall - Masonry Improvements**

This project will grout and waterproof masonry joints and repair foundation and stone replacement on the stair landing and treads on the east and north entrances.

Estimated Construction Cost:	\$ 266,500.00
Estimated Project Cost:	\$ 325,000.00

**Oxley Hall - Masonry Improvements**

This project will remove the vines from the building, clean the masonry surfaces, replace any missing or deteriorated mortar, relay and repoint brick columns on the west elevation, and install new brick where necessary.

Estimated Construction Cost:	\$ 94,300.00
Estimated Project Cost:	\$ 115,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Johnston Laboratory - Exterior Masonry Improvements**

This project will remove the existing sealant around all masonry openings, remove the existing masonry joints, reseal joints, repair or replace any loose, missing and flaking stucco, replace any loose, missing, or broken brick, reseal all stress cracks, and regrout all masonry joints.

Estimated Construction Cost:	\$ 119,000.00
Estimated Project Cost:	\$ 145,000.00

**Baker Systems Engineering Building - Sealant Replacement**

This project will replace existing sealant around all windows, doors, shelf angles, and stone joints. In addition, the entire building will be cleaned and waterproofed.

Estimated Construction Cost:	\$ 94,500.00
Estimated Project Cost:	\$ 115,000.00

**Haskett Hall - Exterior Masonry Replacement**

This project will remove and replace any broken, missing, or spalled brick, remove all existing joints, reseal all joints, remove all existing loose, flaking and deteriorated mortar cement in masonry joints, and refill the raked joint with tuck pointing cement on the east, north, and south elevations of the building.

Estimated Construction Cost:	\$ 160,000.00
Estimated Project Cost:	\$ 195,000.00

**Van De Graff Laboratory - Rooftop Mechanical System Replacement**

This project will replace the 21-year old rooftop cooling system.

Estimated Construction Cost:	\$ 90,200.00
Estimated Project Cost:	\$ 110,000.00

**Animal Science Building - Rooftop Chiller Replacement**

This project will replace the existing 60 ton roof mounted water chiller with a glycol-based system to extend the operation period to match building needs.

Estimated Construction Cost:	\$ 82,000.00
Estimated Project Cost:	\$ 100,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Postle Hall - Animal Facility**

This project will remodel approximately 3,000 square feet in the lower level of Postle Hall for an animal facility.

Estimated Construction Cost:	\$ 220,500.00
Estimated Project Cost:	\$ 269,000.00

**Public Safety Building - HVAC System Improvement**

This project will install a single package roof mounted air conditioning system to serve the entire building, modify the radiant heating system, and install a new system of direct digital controls.

Estimated Construction Cost:	\$ 233,700.00
Estimated Project Cost:	\$ 285,000.00

**Integrated Central Alarm Monitoring Upgrade**

This project will upgrade and replace the present fire alarm and monitoring system with a new system with the capacity to monitor all buildings and systems on campus and allow the fire and security systems to be under central control.

Estimated Construction Cost:	\$ 332,100.00
Estimated Project Cost:	\$ 405,000.00

**Herrick Drive - Road Resurfacing**

This project will repair areas of Herrick Drive where the base has failed, replace broken curb, enlarge entrance radius, and resurface approximately 4,725 square yards of asphalt paving.

Estimated Construction Cost:	\$ 164,000.00
Estimated Project Cost:	\$ 200,000.00

**19th Avenue (Neil to College) - Road Resurfacing**

This project will rebuild areas where base has failed and resurface approximately 4,300 square yards of asphalt paving.

Estimated Construction Cost:	\$ 45,100.00
Estimated Project Cost:	\$ 55,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

Research Center - Entrance Road Resurfacing

This project will replace some failed base and resurface approximately 5,000 square yards of asphalt paving.

Estimated Construction Cost:	\$ 82,000.00
Estimated Project Cost:	\$ 100,000.00

Bevis, Rightmire, and Scott Halls - Structural System Improvements

This project will remove the asphalt walkways on the east side of Bevis and south side of Rightmire, remove topping to expose concrete decking, waterproof the concrete decking, and install new asphalt.

Estimated Construction Cost:	\$ 184,500.00
Estimated Project Cost:	\$ 225,000.00

University Hall and William Oxley Thompson Library - Elevator Upgrade

This project will replace the door hangers and door systems on two elevators in the Thompson Library and remove existing materials and replace with non-asbestos sprayed on fireproofing material on the structural steel in the elevator hoistway of University Hall.

Estimated Construction Cost:	\$ 172,200.00
Estimated Project Cost:	\$ 210,000.00

Dakan Hall and Robinson Laboratory - Elevator Replacement

This project will construct a new hoistway and install a passenger elevator suitable for handicap accessibility in Robinson Laboratory and install a passenger elevator in a hoistway that houses a dumbwaiter to permit handicap access in Dakan Hall.

Estimated Construction Cost:	\$ 205,000.00
Estimated Project Cost:	\$ 250,000.00

Exterior Lighting

This project will replace the obsolete existing fixtures and add new fixtures in low light areas to increase personal safety of the students, staff, and faculty.

Estimated Construction Cost:	\$ 205,000.00
Estimated Project Cost:	\$ 250,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Robinson Laboratory - Balcony Remodeling**

This project will convert the approximately 4,000 square feet of storage space in the balcony area above room 1030 Robinson Lab to approximately 2,500 square feet of laboratory space for the Eminent Scholar in Mechanical Engineering. The project includes adding partitions, HVAC, improved lighting, and laboratory benches.

Estimated Construction Cost:	\$ 164,000.00
Estimated Project Cost:	\$ 200,000.00

**Starling-Loving Hall - Roof Replacement**

This project will replace the roof over wing M and a portion of wing A.

Estimated Construction Cost:	\$ 287,000.00
Estimated Project Cost:	\$ 350,000.00

**Converse Hall Remodeling**

This project will remodel approximately 7,500 square feet following the move of University Archives to the new Library Book Depository, including the installation of walls, revise lighting and ceiling components, and general upgrade of the space.

Estimated Construction Cost:	\$ 106,600.00
Estimated Project Cost:	\$ 130,000.00

**West Campus Remodeling**

This project will provide general room upgrades to approximately 25,000 square feet in Scott, Bevis, Pressey, and Mount Halls.

Estimated Construction Cost:	\$ 328,000.00
Estimated Project Cost:	\$ 400,000.00

**General Biology Annex - Mechanical System**

This project will modify the ventilation system due to the city sewer which penetrates through the lower level of building.

Estimated Construction Cost:	\$ 82,000.00
Estimated Project Cost:	\$ 100,000.00



**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Lincoln and Morrill Towers - Site Renovation**

This project will repair broken pavement, pedestrian bridges, bicycle parking areas, renovate existing plantings, and construct an erosion control system.

Estimated Construction Cost:	\$ 164,000.00
Estimated Project Cost:	\$ 200,000.00

**Mirror Lake Hollow Renovations**

This project will renovate existing plantings and add an underground irrigation system, redesign and construct a new walk circulation system, and add additional foundation plantings.

Estimated Construction Cost:	\$ 123,000.00
Estimated Project Cost:	\$ 150,000.00

**Energy Control Modifications**

This project will install direct digital controls for HVAC systems in the Allied Medical Professions Building, Graves Hall, Newton Hall, and McCampbell Hall to improve occupant comfort and reduce energy consumption.

Estimated Construction Cost:	\$ 192,700.00
Estimated Project Cost:	\$ 235,000.00

**Lab Animal Center Renovations - Animal Pen**

This project will repair and seal all concrete floors, bases, and trenches, and apply an epoxy wearing surface to the exterior pen runs in buildings 1 and 2.

Estimated Construction Cost:	\$ 61,500.00
Estimated Project Cost:	\$ 75,000.00

**Lab Animal Center Renovations - HVAC**

This project will replace the roof top air handling units serving the animal holding facilities with a more reliable and efficient gas fired heating unit, including controls, dampers, and steam reheat coils.

Estimated Construction Cost:	\$ 200,900.00
Estimated Project Cost:	\$ 245,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic Renovation Projects - Columbus Campus (contd)

**Oxley Hall Window Replacement**

This project will replace all existing windows with new factory glazed windows with prefinished wood interior frames and anodized aluminum exterior frames.

Estimated Construction Cost:	\$ 139,400.00
Estimated Project Cost:	\$ 170,000.00

Basic and Supplemental Renovations - Regional Campuses

**Lima Regional Campus - Reed Hall Power Transformer Replacement**

This project will replace a power transformer containing high levels of PCB's.

Estimated Construction Cost:	\$ 41,000.00
Estimated Project Cost:	\$ 50,000.00

**Lima Regional Campus - Galvin Hall Lab Fume Hood Exhaust System**

This project will install bench top fume hoods to provide workstations on each of five benches, provide a fume hood exhaust system, associated ductwork, dampers, controls, make-up air system, heat recovery unit, cooling and heating, and improve ventilation for a cadaver container.

Estimated Construction Cost:	\$ 123,000.00
Estimated Project Cost:	\$ 150,000.00

**Lima Regional Campus - Galvin Hall Chiller Improvements**

This project will perform a major overhaul of the 150 ton air conditioning chiller, including total teardown and replacement of all bearings, seals, and gaskets.

Estimated Construction Cost:	\$ 20,500.00
Estimated Project Cost:	\$ 25,000.00

**Lima Regional Campus - Asphalt Improvements**

This project will repair and replace damaged, sunken, and cracked asphalt on courtyard walkways, approaches and entrances, and the fire lane behind Cook Hall.

Estimated Construction Cost:	\$ 27,100.00
Estimated Project Cost:	\$ 33,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic and Supplemental Renovations - Regional Campuses (contd)

**Lima Regional Campus - Reed Hall - Water Damage**

This project will repair damage from extensive roof leaks to ceilings, ceiling tiles, T-bar grid, and light fixtures.

Estimated Construction Cost:	\$ 20,500.00
Estimated Project Cost:	\$ 25,000.00

**Mansfield Regional Campus - Concrete Replacement**

This project will replace the deteriorated steps and sidewalks in front of Ovalwood Hall and make minor walkway replacements around campus.

Estimated Construction Cost:	\$ 24,600.00
Estimated Project Cost:	\$ 30,000.00

**Mansfield Regional Campus - Bromfield Hall - Facing**

This project will replace the cracked and broken sandstone facing on Bromfield Hall.

Estimated Construction Cost:	\$ 32,000.00
Estimated Project Cost:	\$ 39,000.00

**Marion Regional Campus - HVAC Control System**

This project will install a computer controlled maintenance and operation system for the Campus HVAC systems.

Estimated Construction Cost:	\$ 45,100.00
Estimated Project Cost:	\$ 55,000.00

**Marion Regional Campus - Room Improvements**

This project will improve several rooms, including the main office and room 100.

Estimated Construction Cost:	\$ 45,100.00
Estimated Project Cost:	\$ 55,000.00

**Marion Regional Campus - Sidewalk Replacement**

This project will replace the walks between the Student Center and Morrill Hall.

Estimated Construction Cost:	\$ 14,800.00
Estimated Project Cost:	\$ 18,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic and Supplemental Renovations - Regional Campuses (contd)

**Marion Regional Campus - Parking Lot**

This project will provide a new surface parking lot near the Technical Building.

Estimated Construction Cost:	\$ 137,000.00
Estimated Project Cost:	\$ 167,000.00

**Newark Regional Campus - Telecommunications and Data Wiring and Switching System**

This project will wire the entire Campus for state-of-the-art networking for data and telecommunications, including a new computerized digital telecommunications switch, plus appropriate wiring for the switch.

Estimated Construction Cost:	\$ 144,000.00
Estimated Project Cost:	\$ 175,780.00

**Newark Regional Campus - Student Support Service Remodeling**

This project will remodel approximately 2,000 square feet of space in Hopewell Hall to provide space for student support services. The remodeling will provide student government and activities work space, a conference room, a work area for the student life program assistants, a staff support space, and administrative space for the Director.

Estimated Construction Cost:	\$ 74,100.00
Estimated Project Cost:	\$ 90,400.00

**Newark Regional Campus - Adena Parking Lot Paving and Lighting**

This project will apply an asphalt surface to the gravel parking lot east of Adena Hall and install appropriate lighting.

Estimated Construction Cost:	\$ 129,700.00
Estimated Project Cost:	\$ 158,150.00

**Newark Regional Campus - Parking Lot Lighting Replacement**

This project will replace the light fixtures for the parking facilities in front of Founders and Hopewell Halls to provide adequate lighting levels for the safety of the students, staff, and faculty.

Estimated Construction Cost:	\$ 37,800.00
Estimated Project Cost:	\$ 46,030.00

**Employment of Architects/Engineers and  
Request for Construction Bids (Contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Basic and Supplemental Renovations - Regional Campuses (contd)

Newark Regional Campus - Founders Hall Electrical Upgrade

This project will expand the number of circuits within Founders Hall and change the capacity of the service entering the building to accommodate the additional computer equipment in instructional facilities within the building.

Estimated Construction Cost:	\$ 51,400.00
Estimated Project Cost:	\$ 62,640.00

Basic Renovations - Agricultural Technical Institute

ATI - Halterman Hall Renovation

This project will renovate the HVAC system, improve the roof system over entrances and stairwells, install laboratory shelving in the chemistry and research science laboratories, and make cosmetic improvements to various rooms in Halterman Hall.

Estimated Construction Cost:	\$ 123,000.00
Estimated Project Cost:	\$ 150,000.00

ATI - Skou Hall Renovation

This project will improve the bay and cafeteria windows, install carpeting in the bridge and lounge area, improve the roof system, and paint several laboratories and offices in Skou Hall.

Estimated Construction Cost:	\$ 82,000.00
Estimated Project Cost:	\$ 100,000.00

ATI - Apple Creek Farm Improvements

This project will improve the drainage on several parcels of land, improve the roadway, and improve utilities by replacing and installing electrical lines and transformers.

Estimated Construction Cost:	\$ 33,600.00
Estimated Project Cost:	\$ 41,000.00

ATI - Miscellaneous Improvements

This project will improve asphalt walkways around Halterman Hall, renovate and cap limestone parapet walls on the east side of Halterman Hall, and install a concrete floor in the old Turkey Barn for use as storage space.

Estimated Construction Cost:	\$ 41,000.00
Estimated Project Cost:	\$ 50,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (Contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Supplemental Renovations - Ohio Agricultural Research and Development Center

**OARDC - Wooster Campus Road Resurfacing**

This project will repair and seal deteriorating parking lot and roadway surfacing by providing an asphalt concrete overlay on the surfaces, extending manholes, and remarking parking spaces.

Estimated Construction Cost:	\$ 61,500.00
Estimated Project Cost:	\$ 75,000.00

**OARDC - Fencing and Roads**

This project will replace approximately 7.25 miles of line fences, replace approximately 1.25 miles of main interior fences, and upgrade the 1 mile main drive and approximately 3 miles of the service roads.

Estimated Construction Cost:	\$ 94,300.00
Estimated Project Cost:	\$ 115,000.00

**OARDC - Wooster Campus Water System Improvements**

This project will drill two new wells to replace a well that was shut down by EPA, including development and connection to the existing system, and updating of the control systems.

Estimated Construction Cost:	\$ 65,600.00
Estimated Project Cost:	\$ 80,000.00

**OARDC - Pesticide Storage and Handling Building**

This project will construct approximately 1,500 square feet of enclosed space with proper floor, air handling, utilities, and exhaust hood for the storage and mixing of pesticide.

Estimated Construction Cost:	\$ 73,800.00
Estimated Project Cost:	\$ 90,000.00

**OARDC - Union County Farm Drainage Tile Replacement**

This project will install new drainage tile and surface structures on the Union County Farm. The project includes systematic agricultural tiling of 110 acres and special tiling of an additional 50 acres. Some surface reshaping to improve drainage also is included.

Estimated Construction Cost:	\$ 61,500.00
Estimated Project Cost:	\$ 75,000.00

**Employment of Architects/Engineers and  
Request for Construction Bids (Contd)**

Projects Funded by Substitute House Bill 808 (contd)

Background (contd)

Supplemental Renovations - Ohio Agricultural Research and Development Center

**OARDC - Mahoning Farm Renovations**

This project will replace about 12,000 square feet of roof on two barns, repair exterior barn walls, remove one silo, and make miscellaneous road improvements.

Estimated Construction Cost:	\$ 54,100.00
Estimated Project Cost:	\$ 66,000.00

**OARDC - Thorne and Gourley Renovation**

This project will reroof, remodel laboratories, update utilities and environmental control systems, and install energy conservation systems in Thorne and Gourley Halls.

Estimated Construction Cost:	\$ 230,100.00
Estimated Project Cost:	\$ 280,600.00

**OARDC - Northwestern Branch Office and Storage Improvements**

This project will replace existing office and storage buildings which are beyond repair. The project includes site development, construction of a 40 foot by 72 foot building with a 24 foot by 40 foot insulated and heated office and work area. The balance of the building will be unheated storage space.

Estimated Construction Cost:	\$ 82,000.00
Estimated Project Cost:	\$ 100,000.00

Page 472 Blank



**APPENDIX XXVI**

**ROOF REPLACEMENTS (ARPS HALL)  
OXLEY HALL REHABILITATION  
MECHANICAL IMPROVEMENTS (GRAVES HALL)  
VETERINARY HOSPITAL IMPROVEMENTS  
BROWN HALL ROOF REPLACEMENT  
RIGHTMIRE HALL RENOVATION - PHASE II, DEMOLITION**

**Adopted by the Board of Trustees, October 5, 1990  
(See page 420)**

**Report of Award of Contracts and  
Establishment of Contingency Funds**

Background

(Amounts shown with an \* include accepted alternates.)

Roof Replacements (Arps Hall)

This project will replace roofing, insulation and flashing on Arps Hall. The total project cost is \$115,162.80; funding is provided from Senate Bill 336 (\$115,000.00) and Department of Physical Facilities funds (\$162.80). The estimated completion date is June 1991. The contract awarded is as follows:

General Contract:	Huffer Roofing, Columbus, Ohio
Amount:	\$108,671.00 +
Estimate:	\$105,000.00 +
Total All Contracts:	\$108,671.00
Contingency Allowance:	\$5,433.55 (5% of construction cost)
Total Project Cost:	\$115,162.80

+The General Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of costs and is recommended for award as provided by Section 153.12 of the Revised Code.

October 5, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
ARPS HALL ROOF REPLACEMENT

Tabulation of Bids

Bids received by The Ohio State University on August 2, 1990. Bids opened by Tamara Bell and tabulated by Carol Cochran. Awards indicated with an "A".

<u>General Contract</u>	<u>Estimate</u>	<u>Huffer *</u>	<u>Becker</u>
Base Bid	\$105,000.00	\$108,671.00	\$109,000.00
Total General Contract	\$105,000.00	\$108,671.00	\$109,000.00
Alternates not taken: Alt. G-1 (Additional Roof Area)	15,000.00	15,032.00	21,960.00

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Oxley Hall Rehabilitation

This project will rehabilitate this 34,000 gross square foot facility. The work includes updating antiquated mechanical systems, adding handicap accessibility, providing life safety code updates, partial modernization of the sprinkler system, new windows, new and repaired exterior doors, painting, floor covering, and some new ceilings. The total project cost is \$1,905,000.00; funding is provided from Central University funds (\$1,100,000.00), Provost funds (\$200,000.00), Residence and Dining Halls funds (\$395,602.00), and West Campus Relocation funds (\$209,398.00). The estimated completion date is January 1992. The contracts awarded are as follows:

General Contract:	Paige Construction , Westerville, Ohio
Amount:	\$735,850.00 *
Estimate:	\$871,000.00 *
Plumbing Contract:	Westland Mechanical, Reynoldsburg, Ohio
Amount:	\$132,400.00 *
Estimate:	\$177,000.00 *
HVAC Contract:	Radico, Inc., Columbus, Ohio
Amount:	\$388,200.00 *
Estimate:	\$413,000.00 *
Electric Contract:	Romanoff Electric, Dublin, Ohio
Amount:	\$215,600.00 *
Estimate:	\$238,000.00 *
Total All Contracts:	\$1,472,050.00 *
Contingency Allowance:	\$ 88,323.89 (6% of construction cost)
Total Project Cost:	\$1,905,000.00 *

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
OXLEY HALL RENOVATION

Tabulation of Bids

Bids received by The Ohio State University on July 25, 1990. Bids opened by Tamara Bell and tabulated by Steve Galli. Awards indicated with an "A".

<u>General Contract</u>	<u>Estimate</u>	<u>Paige *</u>	<u>Functional Dev.</u>	<u>Cody Zeigler</u>
Base Bid	\$775,000.00	\$657,000.00	\$646,925.00	\$637,000.00
Alt. G-1 (Third Floor)	96,000.00	78,850.00	107,000.00	118,000.00
Total General Contract	\$871,000.00	\$735,850.00	\$753,925.00	\$755,000.00
Alternates not taken:				
Alt. G-2 (Exterior Doors)	\$13,000.00	\$6,500.00	\$19,000.00	\$20,000.00
Alt. G-3 (Ext. Modifications)	89,000.00	35,605.00	44,000.00	97,000.00
General Contract (Continued)	<u>Martin</u>	<u>Altman</u>	<u>Ed Ross</u>	<u>Turner</u>
Base Bid	\$689,000.00	\$698,757.00	\$732,900.00	\$725,900.00
Alt. G-1 (Third Floor)	95,000.00	106,535.00	96,600.00	111,500.00
Total General Contract	\$794,000.00	\$805,292.00	\$829,500.00	\$837,400.00
Alternates not taken:				
Alt. G-2 (Exterior Doors)	\$18,000.00	\$12,239.00	\$25,200.00	\$18,100.00
Alt. G-3 (Ext. Modifications)	41,000.00	62,629.00	124,900.00	48,700.00
General Contract (Continued)	<u>Messer</u>	<u>Williamson</u>		
Base Bid	\$723,000.00	\$849,300.00		
Alt. G-1 (Third Floor)	140,000.00	163,328.00		
Total General Contract	\$863,000.00	\$1,012,628.00		
Alternates not taken:				
Alt. G-2 (Exterior Doors)	\$25,000.00	\$16,156.00		
Alt. G-3 (Ext. Modifications)	75,000.00	134,118.00		
<u>Plumbing Contract</u>	<u>Estimate</u>	<u>Westland *</u>	<u>J.A. Croson</u>	<u>Jaric</u>
Base Bid	\$165,000.00	\$122,800.00	\$123,889.00	\$135,135.00
Alt. P-1 (Third Floor)	12,000.00	9,600.00	9,999.00	9,580.00
Total Plumbing Contract	\$177,000.00	\$132,400.00	\$133,888.00	\$144,715.00
Alternates not taken:				
Alt. P-2 (Fire Protection)	\$500.00	\$1,300.00	\$0.00	\$3,285.00
Plumbing Contract (Continued)	<u>Radice</u>	<u>J.A. Meyers</u>	<u>Farber</u>	
Base Bid	\$148,300.00	\$144,998.00	\$147,900.00	
Alt. P-1 (Third Floor)	8,600.00	14,236.00	13,400.00	
Total Plumbing Contract	\$156,900.00	\$159,234.00	\$161,300.00	
Alternates not taken:				
Alt. P-2 (Fire Protection)	\$0.00	\$0.00	\$3,500.00	

<u>HVAC Contract</u>	<u>Estimate</u>	<u>Radico *</u>	<u>J. A. Croson</u>	<u>Farber</u>
Base Bid	\$395,000.00	\$378,600.00	\$398,000.00	\$398,300.00
Alt. H-1 (DDC Controls)	18,000.00	15,400.00	22,575.00	16,200.00
Alt. H-2 (Copper Piping)	.00	(5,800.00)	(9,000.00)	.00
Total HVAC Contract	\$413,000.00	\$388,200.00	\$411,575.00	\$414,500.00
 <u>Electric Contract</u>	 <u>Estimate</u>	 <u>Romanoff *</u>	 <u>Eastmoor</u>	 <u>Penn</u>
Base Bid	\$220,000.00	\$189,900.00	\$200,990.00	\$226,545.00
Alt. E-1 (Third Floor)	18,000.00	25,700.00	22,000.00	21,872.00
Total Electric Contract	\$238,000.00	\$215,600.00	\$222,990.00	\$248,417.00
Alternates not taken:				
Alt. E-2 (Outside Lighting)	5,000.00	7,030.00	\$5,000.00	\$8,751.00
 Electric Contract (Continued)	 <u>Advantage</u>	 <u>Jess Howard</u>	 <u>Reco</u>	
Base Bid	\$214,183.00	\$232,300.00	\$239,719.00	
Alt. E-1 (Third Floor)	34,619.00	32,700.00	34,842.00	
Alternates not taken:				
Alt. E-2 (Outside Lighting)	\$12,327.00	\$6,000.00	\$7,637.00	

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Mechanical Improvements (Graves Hall)

This project will upgrade the building environments and improve occupants' comfort by providing modifications and/or replacements of building HVAC systems. The total project cost is \$120,000.00; funding is provided from Senate Bill 336. The estimated completion date is April 1991. The contracts awarded are as follows:

General Contract:	Righter Company, Columbus, Ohio
Amount:	\$ 57,777.00
Estimate:	\$ 60,000.00
Mechanical Contract:	Holdridge Mechanical, Columbus, Ohio
Amount:	\$ 50,430.00 *
Estimate:	\$ 55,000.00 *
Total All Contracts:	\$108,207.00 *
Contingency Allowance:	\$ 9,093.00 (8.4% of construction cost)
Total Project Cost:	\$120,000.00 *

October 5, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

GRAVES HALL MECHANICAL IMPROVEMENTS

Tabulation of Bids

Bids received by The Ohio State University on July 18, 1990. Bids opened by Tamara Bell and tabulated by John Cook.  
Awards indicated with an "A".

<u>General Contract</u>	<u>Estimate</u>	<u>Righter *</u>	<u>Waller/Lund</u>
Base Bid	\$60,000.00	\$57,777.00	\$61,230.00
Total General Contract	\$60,000.00	\$57,777.00	\$61,230.00
<u>Mechanical Contract</u>	<u>Estimate</u>	<u>Holdridge *</u>	<u>Farber</u>
Base Bid	\$50,000.00	\$42,945.00	\$52,400.00
Alt. M-1 (Stainless Steel)	5,000.00	7,485.00	7,600.00
Total Mechanical Contract	\$55,000.00	\$50,430.00	\$60,000.00



**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Veterinary Hospital Improvements

This project will make corrections to the ventilation system, replace laboratory casework, and floor resurfacing in the large animal wards. The total project cost is \$420,342.00; funding is provided from Senate Bill 336 (\$403,342.00) and Veterinary Medicine funds (\$17,000.00). The estimated completion date is April 1991. The contracts awarded are as follows:

HVAC Contract:	J. A. Guy, Inc., Dublin, Ohio
Amount:	\$279,700.00
Estimate:	\$290,000.00
Electric Contract:	Romanoff Electric , Dublin, Ohio
Amount:	\$ 60,080.00 +
Estimate:	\$ 55,000.00 +
Total All Contracts:	\$339,780.00
Contingency Allowance:	\$ 32,639.00 (9.6% of construction cost)
Total Project Cost:	\$420,341.00

+The Electric Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of costs and is recommended for award as provided by Section 153.12 of the Revised Code.

October 5, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
VETERINARY HOSPITAL IMPROVEMENTS - LARGE ANIMAL HOLDING AREA

Tabulation of Bids

Bids received by State of Ohio, Division of Public Works on June 26, 1990. Bids opened by Geri Hendrickson and tabulated by Elizabeth Foster. Awards indicated with an "\*\*".

<u>HVAC Contract</u>	<u>Estimate</u>	<u>J A Guy *</u>	<u>Farber</u>	<u>Marco</u>
Base Bid	\$290,000.00	\$279,700.00	\$315,600.00	\$318,000.00
Total HVAC Contract	\$290,000.00	\$279,700.00	\$315,600.00	\$318,000.00
Alternates not taken:				
Alt. H-1 (HV-1 System)	\$32,251.00	\$58,000.00	\$65,000.00	\$69,000.00
Alt. H-2 (Exhaust Extension)	12,289.00	30,000.00	29,400.00	36,000.00
<u>Electric Contract</u>	<u>Estimate</u>	<u>Romanoff *</u>	<u>Newco</u>	<u>Demos</u>
Base Bid	\$55,000.00	\$60,080.00	\$64,720.00	\$66,000.00
Total Electric Contract	\$55,000.00	\$60,080.00	\$64,720.00	\$66,000.00
Alternates not taken:				
Alt. E-1 (HV-1 System)	\$8,000.00	\$9,550.00	\$9,791.00	\$7,036.00
Electric Contract (Continued)	<u>Electric Power</u>	<u>Claggett</u>	<u>Walls-Carroll</u>	
Base Bid	\$67,000.00	\$82,860.00	\$121,081.00	
Total Electric Contract	\$67,000.00	\$82,860.00	\$121,081.00	
Alternates not taken:				
Alt. E-1 (HV-1 System)	\$10,290.00	\$11,080.00	\$18,139.00	

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Brown Hall Roof Replacement

This project will replace the deteriorated roof on Brown Hall. The total project cost is \$374,053.00; funding is provided by Senate Bill 336. The estimated completion date is May 1991. The contract awarded is as follows:

General Contract:	Fred Christen & Sons, Toledo, Ohio
Amount:	\$283,000.00 +
Estimate:	\$267,071.00 +
Total All Contracts:	\$283,000.00
Contingency Allowance:	\$ 22,640.00 (8% of construction cost)
Total Project Cost:	\$374,053.00

+The General Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

October 5, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

BROWN HALL ROOF REPLACEMENT

Tabulation of Bids

Bids received by State of Ohio, Division of Public Works on July 17, 1990. Bids opened by Geri Hendrickson and tabulated by Elizabeth Foster. Awards indicated with an "\*\*".

<u>General Contract</u>	<u>Estimate</u>	<u>Christen *</u>	<u>General Preservation</u>	<u>Becker</u>
Base Bid	\$267,071.00	\$283,000.00	\$316,278.00	\$524,442.00
Total General Contract	\$267,071.00	\$283,000.00	\$316,278.00	\$524,442.00

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Rightmire Hall Renovation - Phase II, Demolition

This project will renovate the approximately 23,347 gross square feet on the ground floor and approximately 38,008 gross square feet on the first floor of Rightmire Hall to house new research laboratories for the Biotechnology Center. The total project cost is \$9,234,535.00; funding is provided from University bond proceeds (\$7,000,000) and an anticipated Board of Regents research grant. The estimated completion date is November 1991. The contracts awarded are as follows:

General Contract:	Sherman R. Smoot Co., Columbus, Ohio
Amount:	\$3,017,000.00
Estimate:	\$4,389,109.00
Plumbing Contract:	J. A. Croson Co., Columbus, Ohio
Amount:	\$1,357,042.00 +
Estimate:	\$1,095,386.00 +
HVAC Contract:	J. A. Croson Co., Columbus, Ohio
Amount:	\$2,266,000.00
Estimate:	\$2,359,695.00
Electric Contract:	Romanoff Electric, Dublin, Ohio
Amount:	\$1,246,400.00
Estimate:	\$2,176,705.00
Total All Contracts:	\$7,886,442.00
Contingency Allowance:	\$ 473,186.54 (6% of construction cost)
Total Project Cost:	\$9,234,535.00

+The Plumbing Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

October 5, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS  
BIOTECHNOLOGY CENTER PHASE II - RIGHTMIRE HALL

Tabulation of Bids

Bids received by State of Ohio, Division of Public Works on July 31, 1990. Bids opened by Geri Hendrickson and tabulated by Elizabeth Foster. Awards indicated with an "\*".

<u>General Contract</u>	<u>Estimate</u>	<u>Smoot *</u>	<u>Miles-McClellan</u>	<u>Central Ohio Building</u>
Base Bid	\$4,389,109.00	\$3,017,000.00	\$3,020,000.00	\$3,249,000.00
Total General Contract	\$4,389,109.00	\$3,017,000.00	\$3,020,000.00	\$3,249,000.00
General Contract (Continued)	<u>DiCesare</u>	<u>Messer</u>	<u>Altman</u>	<u>Cozy Zeigler</u>
Base Bid	\$3,258,000.00	\$3,291,000.00	\$3,575,434.00	\$4,575,000.00
Total General Contract	\$3,258,000.00	\$3,291,000.00	\$3,575,434.00	\$4,575,000.00
<u>Plumbing Contract</u>	<u>Estimate</u>	<u>J A Croson *</u>	<u>Bruner</u>	
Base Bid	\$1,095,386.00	\$1,357,042.00	\$1,910,000.00	
Total Plumbing Contract	\$1,095,386.00	\$1,357,042.00	\$1,910,000.00	
<u>HVAC Contract</u>	<u>Estimate</u>	<u>J A Croson *</u>	<u>Sauer</u>	<u>J A Guy</u>
Base Bid	\$2,359,695.00	\$2,266,000.00	\$2,328,600.00	\$2,595,000.00
Total HVAC Contract	\$2,359,695.00	\$2,266,000.00	\$2,328,600.00	\$2,595,000.00
<u>Electric Contract</u>	<u>Estimate</u>	<u>Romanoff *</u>	<u>Buckeye</u>	<u>Jess Howard</u>
Base Bid	\$2,176,705.00	\$1,246,400.00	\$1,416,000.00	\$1,464,000.00
Total Electric Contract	\$2,176,705.00	\$1,246,400.00	\$1,416,000.00	\$1,464,000.00
Electric Contract (Continued)	<u>Electric Power</u>			
Base Bid	\$1,494,700.00			
Total Electric Contract	\$1,494,700.00			

**APPENDIX XXVII**

**55.4 ACRES IN SOUTHWEST FRANKLIN COUNTY**

**Adopted by the Board of Trustees, October 5, 1990  
(See page 421)**

## **Sale of Real Property**

### **Background**

#### **55.4 Acres in Southwest Franklin County**

### **Description and Location**

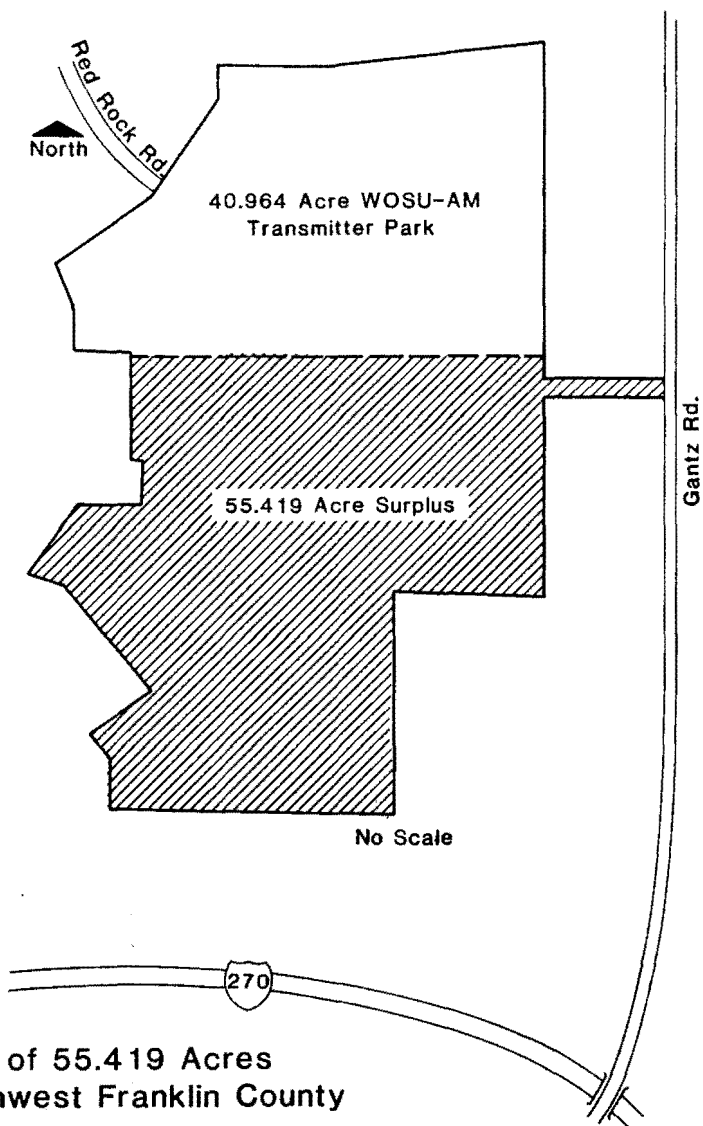
The property consists of approximately 55.4 acres of undeveloped farmland in southwest Columbus. The property is south of Big Run Road and west of Gantz Road, about one-half mile north of Interstate 270.

### **Acquisition and Use**

In December 1986, the University purchased approximately 98.4 acres (of which the 55.4 acres represents roughly the southern portion) from Kenyon College for a total purchase price of \$300,000.00. Funds for the purchase came from the WOSU Stations through the Friends of WOSU. The University has used the northern portion of approximately 41 acres to provide the WOSU-AM night broadcasting antenna site. The southern portion of 55.4 acres is not needed by the WOSU Stations or for any other University purpose.

An appraisal by The Robert Weiler Company in August 1990, valued the entire 98.4 acre tract at \$4,500.00 per acre, resulting in a value of approximately \$249,300.00 for the 55.4 acres. Deltar, Inc., of Columbus, has offered to purchase the property for \$325,000.00. The net proceeds from the sale would be used by the WOSU Stations to support WOSU-AM programming.





**Sale of 55.419 Acres  
in Southwest Franklin County**

Office of Business and Administration  
October 5, 1990

Page 490 Blank

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND TWO HUNDRED AND SIXTY-SEVENTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 2, 1990

The Board of Trustees met at its regular monthly meeting on Friday, November 2, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

.. .. ..

Minutes of the last meeting were approved.

.. .. ..

November 2, 1990 meeting, Board of Trustees

The Chairperson, Mrs. Bowser, called the meeting of the Board of Trustees to order on November 2, 1990, at 11:20 a.m. She requested the Secretary to call the roll.

Present: Shirley D. Bowser, Chairperson, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, Milton A. Wolf, Alex Shumate, Theodore S. Celeste, Sophia L. Paige, and David A. Tonnies.

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## PRESIDENT'S REPORT

President Gee:

It has been a busy and exciting month for the University, with a number of comings and goings, openings and celebrations. Let me just mention a few of the highlights if I may.

Coming to Ohio State this past month was Supreme Court Justice Anthony Kennedy, whose appearance was sponsored by our own honor students. It filled the Weigel Auditorium to capacity.

Going were PCB's. It was announced that we completed the project to remove the PCB coolant, a toxic substance, from campus electrical systems before the federally mandated deadline.

Coming to campus was Marilyn Quayle for the celebration of the grand opening of The Arthur G. James Cancer Hospital and Research Center. She joined Dr. Robert Schweitzer, national president of the American Cancer Society, for this important occasion.

Also coming to our Columbus campus this month was Ohio State's recycling program. Did you know that this University produces over 7,000 cubic yards of waste paper per year! It might seem as if you receive that much at each of these meetings! Ohio State has been recycling paper and metals since 1965, and we are now implementing a pilot program in 12 buildings and a number of offices, including my own, to separate refuse and sort recyclables. This program complements the research we are doing on environmental issues, an area that deserves even more of our attention and effort. I really want to congratulate the students and the student leadership, as well as our own staff leadership in this regard. It is a remarkable program.

We had some other openings this month. Yesterday, we celebrated the opening of the Community Crime Patrol Office. It is a joint effort with the city and state to increase the observation and reporting of crime and promote crime prevention and personal safety efforts in the University area. I have seen the CCP in action, and it is an important part of our continuing effort toward campus safety.

Another opening about which we are excited is the dedication of the Wexner Arts Libraries. The University Fine Arts Library and the Cartoon, Graphic, and Photographic Art Research Library are up and running in the Wexner Center Complex.

## PRESIDENT'S REPORT (contd)

President Gee: (contd)

And, of course, Chairperson Bowser and I had the pleasure of participating in the ground-breaking ceremony for the addition to The Ohio State University Law Building. This addition, to be completed in 1992, will enable us to expand the law library, which is particularly important to the future strengths of the College of Law. I would just note, that in the Lantern today, our College of Law continues to lead the State law schools in terms of bar passage, which I think is to their benefit and clearly shows the leadership that our Law School is undertaking.

This has also been a month for anniversaries:

--We kicked off the 25th anniversary celebration of Ohio State at Mansfield. Let me say that I have already visited Mansfield, Marion, Newark, and Wooster, and I am extremely impressed with the good work being done on Ohio State's extended campuses across the state. On its silver anniversary, Ohio State at Mansfield has a great deal to be proud of, including an absolutely gorgeous campus.

--Synchronized swimming celebrated its 50th anniversary last weekend. Of course, this has been a center of excellence at this University, with our students and alumni representing us as Olympians and international medal winners. Coach Mary Jo Ruggieri is clearly the leader in this sport.

--This weekend we are helping playwright Jerome Lawrence celebrate his 75th birthday. Of course, this award winning author is one of our graduates and has been instrumental in the development of Ohio State's Lawrence and Lee Theatre Research Institute.

Our faculty continue to pursue interesting and important research. It was announced that we received nearly \$7 million from the United States Department of Education to establish the National Center for Science, Teaching, and Learning. This interdisciplinary center will place Ohio State at the forefront of science education -- an extraordinarily important academic initiative that will benefit all Ohioans and, in fact, our nation.

In the international arena, as part of our 1992 Columbian Quincentenary celebration, Ohio State has announced that we will head a team of American experts, working with Italy's Polygraphic Institute and Mint of the State, to translate Christopher Columbus's diary and other books concerning his life and times, making them available to American scholars. The volumes will include newly edited documents from Columbus's time and updated research on his life and work.

Recognition continues to come to the good people of this University in many forms. Ohio State was honored by the United Negro College Fund this month at their 46th annual dinner. In addition to the well-deserved recognition of former president Ed Jennings, the UNCF also honored the University for its partnerships with UNCF colleges, particularly in encouraging graduate and professional studies at Ohio State.

**PRESIDENT'S REPORT (contd)**

President Gee: (contd)

Ohio State also is proud to be participating in the University Consortium for Research and Development, a group of 14 Black institutions paired with 7 midwestern research universities. Our partners are North Carolina, A & T, and Hampton University. We will conduct joint projects with exchange students and faculty to strengthen the research base and research opportunities for all institutions involved.

And I am proud to share with you that an Ohio State student has received the National Football Foundation Hall of Fame Award, a \$10,000 fellowship for graduate education. It was announced this week that Greg Frey, an English major and History minor from Cincinnati, and Ohio State's second all-time leading passer, was among the eleven football players across the country to receive this honor. And I might note, again, that this is a remarkable recognition for Greg. The recipients are selected on academic performance, athletic ability, and leadership in the community. Since the inception of the award, thirteen Ohio State students have been winners. The rest of the Big Ten together can claim only 11 such awards. We can be proud of our student athletes.

Speaking of athletics, last weekend, we celebrated Homecoming. An extraordinary group of undergraduate students was chosen by a faculty and alumni interviewing committee for the homecoming court. The Homecoming King, Bryan Selby, is a senior in the College of Engineering from West Chester, Ohio. I first met Bryan as president of his fraternity, Kappa Sigma, when I visited the house, and he and I went out one Friday night to see the High Street scene. The Homecoming Queen, Diane Straub, is also a senior. She is from Akron, and will receive two degrees, one from the College of Agriculture in Nutrition, and the other an Arts and Sciences degree in microbiology. Diane is applying to medical school and, coincidentally, works in my office. They are outstanding young people--scholars and leaders--who represent us so well. They are, after all, the reason we are here.

As the pace begins to quicken around the University, I can assure you on this second day of November, that another productive and enjoyable month is ahead for our University.

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**REPORT ON AUTUMN QUARTER ENROLLMENT**

Mr. Shkurti:

In your Board book there is a report entitled, "Highlights of Fourteenth Day Enrollment for the Autumn Quarter 1990" prepared by the University Registrar. You are also receiving a handout which is a summary of that same report. What we've tried to do is extract from that report those numbers and issues we feel are important for the Board of Trustees.

## REPORT ON AUTUMN QUARTER ENROLLMENT (contd)

Mr. Shkurti: (contd)

The four issues that I will be reviewing are as follows: 1) what is our current enrollment; 2) what is the composition of the student body beyond the overall number; 3) what progress has been made at increasing minority enrollment; and 4) what are the implications of these changes and these trends for the future. Each one of these questions is on a separate page. If you will turn to page I.A. of the summary, I will deal with the issue of Autumn 1990 Enrollment by campus.

The first and most important number is the total enrollment. The total enrollment this fall is 60,165, the highest total enrollment in the University's history. Secondly, the Columbus Campus enrollment is the highest since 1980. At the Lima Campus, the enrollment is up. But at the other three extended campuses, Newark, Marion, and Mansfield, enrollment is slightly down. And, finally, the Agricultural Technical Institute in Wooster continues to regain enrollment that it lost in the 1980's.

The next issue is the composition of enrollment on the Columbus Campus. The number of new first quarter freshmen is 6,072, and that is the lowest level since Autumn Quarter 1966. On the other hand, our retention of new first quarter freshmen from last year is at its highest level ever, 83.4 percent. So it shows that the policy the University embarked upon, which was increasing retention and getting more students to stay, has been successful so far.

Third, the number of continuing undergraduate students is the highest since that statistic was first recorded in Autumn Quarter 1974. Graduate enrollments have increased slightly, while professional enrollments remain steady. You'll notice the specific numbers that amplify those statements on the next page. Again, the number of new first quarter freshmen has declined for undergraduates, but transfers, returning, and continuing students has increased. That is the reason the total number of undergraduate students has gone up. The total number of graduate students has gone up as well, and the number of professional students has remained virtually the same.

The next issue is minority enrollment. This Autumn Quarter, minority enrollment of 5,102 on the Columbus Campus is at its highest level in the last 10 years. It is up 454, or 9.8 percent, from Autumn Quarter 1989. So the minorities now represent 9.43 percent of the student population on the Columbus Campus. Another number we are very proud of is the retention of black new first quarter freshmen. It has risen to 73.5 percent; 19.5 percent higher than in 1986, and the highest level in history. Again, it is a little lower than it is for white new first quarter freshmen, but the gap is closing steadily, and we are really happy with that figure.

Mr. Barone:

What constitutes a minority?

Mr. Shkurti:

Mr. Barone, that is on the next page under Autumn 1990 Columbus Campus Minority Enrollment.

**REPORT ON AUTUMN QUARTER ENROLLMENT (contd)**

Mr. Barone:

I see that. The reason I ask is that you have the American Indian listed as a minority. How are the categories selected?

Mr. Scott:

John, as you may recall many years ago, the Federal Government, more specifically the Department of Education, tried to come up with broad categories of individuals who would be classified as a minority for statistical purposes. What you see here represents categories as defined by the Department of Education for recording purposes.

Mr. Shkurti:

On page IV we have the Summary and Implications. First, I should summarize in response to the questions I laid out at the beginning. As I said, our current enrollments is 60,165. Now that is the number of students, not the full time equivalent. It is clear the University continues to attract students at virtually all levels. Secondly, the composition of the enrollment of the University is shifting. It is going from freshmen to upperclassmen, transfer students, and graduate students. Third, our minority enrollment and retention of minorities is increasing, although slowly.

We must look at the implications of this in terms of the amount of money we might expect from the State since our State subsidy, which is our single largest source of income, is based on the number of students we have. At this point in time, and I think these figures should hold up, it looks like the additional enrollment that we carried in this fall should translate to about \$2 million more than we anticipated at the time the budget was passed in June. We will show it on the budget when we do the budget revisions in February, indicating the mid-year revisions. But I should also caution everyone that we are in somewhat of a dynamic situation economically and budget-wise in the State. What the State gives us with one hand, they can always take away with the other. But we will be monitoring that situation carefully, and will have a more refined estimate for you when we do the budget revisions at mid-year.

Again, these additional students do mean additional income. We are not exceeding the enrollment caps that the Board of Regents has put on Ohio State University, so we will suffer no enrollment penalties. So, in some ways we have the best of all worlds. And any finance person is nervous when things go that well, it usually means that something bad is due to happen sooner or later. But at this point, the \$2 million dollars is a pretty good estimate and that will be additional income that we can apply to various University issues.

The second implication from this comes from the demographic trends that the country has gone through. If you take a look at the attached chart, it shows both a projection and an estimate prepared by the Ohio Department of Education, on the number of students that will eventually be graduating from Ohio high schools. You can see from a peak of nearly 152,000 in 1989, the State is expected to drop to about 122,000 high school seniors by 1994. And, of course, that is part of the pool this University draws from in terms of recruiting new first quarter freshmen. So, that not only Ohio State University, but all the other universities in the State and around



## REPORT ON AUTUMN QUARTER ENROLLMENT (contd)

Mr. Shkurti: (contd)

the country will be recruiting intensely from what is a decreasing pool because these trends in Ohio are also in effect nationally.

I should also point out that although the numbers are expected to decline steadily through 1994, as the children of the "baby boom" generation start to grow up and move through the high schools, the number of high school graduates will begin to increase starting in 1995, on a fairly steady basis.

Mrs. Bowser:

That is a very dramatic curve, isn't it?

Mr. Shkurti:

Yes it is. And, again, it is important to realize that the curve has the bottom cut out from zero to 120, which tends to exaggerate in some ways the change, but it is still a very dramatic change. With any kind of projections one has to be suspect, but these are population projections. So, in other words, we know that students that are in 8th grade now, 4 years from now will be in 12th grade. So, as projections go, these are fairly good numbers.

The implications for this in terms of the composition of the student body, and I think we are already seeing it this fall, is that it will be more difficult to attract traditional new first quarter freshmen. But there are other sources of students for the University: 1) is to improve retention of the students that are already here, and we have already seen some good progress on that level; 2) to take more transfer students, and, again, the number of transfer students is up this fall; and 3) more graduate and professional students. Another place to look, if a decision is made to keep a consistent enrollment growth, is at non-traditional students that are in the work force who might come back to the University.

That in turn leads to the fourth implication in terms of what these numbers mean for the size of the institution. Obviously, if the number of available new first quarter freshmen continue to decline the University is faced with a number of important decisions and these have to be approached very carefully.

One decision is what we do about recruitment of new students and retention of the students that are already here. Another is what we do about replacing perhaps a smaller number of new first quarter freshmen with more graduate students or transfer students. In turn, those decisions have implications for the amount of income or resources that the University has. They have implications for minority enrollments and for admissions and selective admissions. They have implications for student housing and a variety of areas. All of these implications -- and there are quite a few of them -- will be carefully reviewed over the next few months. And the President has already indicated to us on the staff that he wants a careful review of those implications -- and I have to stress a careful review. I should also add all of the political implications, in terms of the expectations of the State and the State Legislature about our enrollments as well. And we look forward to working with the Board on addressing these issues over the coming months, and doing that which makes the most sense for The Ohio State University.

November 2, 1990 meeting, Board of Trustees

#### **REPORT ON AUTUMN QUARTER ENROLLMENT (contd)**

Mr. Shkurti: (contd)

Let me stop at this point and see if there are any questions. And because, by trade, I am a budget person, not an enrollment person, I have also asked Gene Schuster, the University Registrar, and Jim Mager, the Director of Admissions, to both be here today. So if there is a question I can't field, I will turn to them.

Mrs. Bowser:

Thank you, Bill.

Mr. Teaford:

Madam Chairperson, I just want to recheck one statistic. The numbers indicated four graduate students under the age of 14. I suspect that is not correct, but I would like to meet them if they are here.

Mr. Shkurti:

Madam Chairperson, if I may defend Mr. Schuster's report, which was done very carefully. Although we believe in a diverse campus, we do not have any graduate students that are 17 or under. As you know, because this is a big campus, we have to rely on computers to do a lot of our computations. As I understand it, when a birth date is not clear on the student record, the computer automatically kicks it into what would be called a default category. Out of the 60,000 students that we have, there were only 4 birth dates that we couldn't track down. I think that is an excellent record. It is my understanding that the registrar will be working diligently over the next quarter to nail down the exact birth dates of those four mystery students.

Mrs. Bowser:

Actually this was a test Joel was putting you up to. I'm not sure, but I think he knew the answer. Are there any other questions?

Ms. Casto:

As part of our first quarter freshmen enrollment, what were our projectile figures that we wanted to meet compared to what the actual figures were?

Mr. Mager:

When we started the admission process last fall, our target was 6,300. But, again, we ended up with a class of 6,072, so we came a little bit short on that.

Ms. Casto:

This also happened last year. Are we seeing a trend here?

## REPORT ON AUTUMN QUARTER ENROLLMENT (contd)

Mr. Mager:

Definitely. Ohio State is certainly seeing a trend. We had a 12 percent decline in applications. We attribute much of that to the declining population in the State of Ohio and in the surrounding states. We also attribute some of that to self-selectivity that students in the lower parts of their class realized that they probably weren't going to be admissible or to succeed at Ohio State. We surveyed that very carefully and those were the two major trends that we saw.

Amb. Wolf:

I think also, Madam Chairperson, that the growth of the regional state schools such as Cleveland State in my area, would quite naturally take some of the potential freshmen enrollment from a school such as Ohio State University. And those regional state schools are growing.

Dr. Hutchinson:

Perhaps we should report to the Board that when we detected this this winter, we did put a group together to really go to work on this and Jim and several others served on that. We have, in fact, taken several steps already to recruit more effectively and be more aggressive out there, and we have invested some money in Jim's office in order to get that under way. So, we are already trying to respond to this increased competition.

Ms. Casto:

I know that this was one of our concerns when we implemented selective admissions -- to make sure that we were in fact projecting what will come to the University as far as first quarter freshmen.

President Gee:

I might note on the selective admissions side that the most heartening part of the report is the much higher retention of students. In the end, what we are about as a University is not bringing students in, but about educating students when they're here and making certain that students are leaving with an Ohio State degree. I think clearly that is the healthy part of the trend, and one that we really want to make certain continues.

I've been talking a lot lately about the fact that I believe there really is a developing new majority out there. Bill calls them the non-traditional student. But, I think, as we see what is happening educationally, the new majority of students are really going to be those that are either job bound, or place bound, or a variety of other constraints that are put on them, but now really want to further their education. And this University has to be more willing to be user-friendly in that regard. And I think that is part of the challenge that we are taking a look at. Isn't that right, Mr. Provost?

November 2, 1990 meeting, Board of Trustees

#### **REPORT ON AUTUMN QUARTER ENROLLMENT (contd)**

Dr. Hutchinson:

Right. Also, it seems that the increase in transfers is something that we anticipated with the selective admissions. We would see people coming from places like Columbus State --

President Gee:

That also plays into Ambassador Wolf's commentary, too, that we clearly have some very fine regional universities in this State. But as the student makes it into the second tier, the upper level, many of them are finding that programs at some of the regional institutions are not quite what they want or are unavailable. So many of those students are taking a look at Ohio State as a place where they will finish their degree. And many of our very, very specific and highly honed programs offer another opportunity for us. By the way, that is what this University is about. The opportunity that we have because of the rich resource that we provide in terms of our curriculum and the development of that to be able to enhance other institutions clearly is a positive trend in many ways.

Mrs. Bowser:

And our Graduate School, too, has increased. I believe it increased last year also.

President Gee:

We have about 40,000 undergraduates, and about 15,000 graduate students when you count the professional schools.

Dr. Hutchinson:

There has been a plan to increase the graduate enrollment.

Ms. Casto:

I think it has a real positive effect.

Mrs. Bowser:

Any more discussion?

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#### **RESEARCH FOUNDATION REPORT**

Ms. Casto:

The Research Foundation Grants and Contracts for the first quarter of the fiscal year are shown in the Board agenda. There are 411 awards listed which provide a gross income of \$35 million. Funding for the quarter was 8.7 percent behind that of the first quarter of 1989. I would like to call on Dr. Sweeney to explain this decrease.

## RESEARCH FOUNDATION REPORT (contd)

Dr. Sweeney:

Thank you, Ms. Casto. After coming off a fairly good year of solid growth, we have moved into a first quarter of some decrease. We believe that most of that is due to the uncertainty on the part of our principal sponsor, the federal government, and that once the budget problem is behind us that we will see a return to levels that we expect. Although, you don't have it in front of you October was an extremely good month. At the next Board Meeting, when we report on October, it will show that we are 1 percent behind. So we have made up essentially all the lost ground in this last month. I am very hopeful that the rest of the year will be less exciting than the first quarter and we will see, again, some solid growth. Thank you, Ms. Casto

Ms. Casto:

Thank you. I would like to highlight two awards:

First, faculty members in the Department of Preventive Medicine, Family Medicine, and Lifespan Processes received a grant for \$345,000 from the National Heart, Lung and Blood Institute for the smoking cessation program for Southeast Asians.

The number of Asian/Pacific Islanders in the United States has a higher percentage increase than that of any other ethnic group. Approximately 60 percent of all these new Americans are economically disadvantaged. Many are enrolled in public assistance programs or suffer from unemployment. Compounding the problem posed by poverty are cultural, linguistics, and other barriers of health care. The most important preventable cause of death and perhaps the most serious chronic disease risk factor of South East Asian men is smoking. The program designated by this multidisciplinary OSU team trains Southeast Asians as peer counselors and offers ethnically specific smoking cessation intervention programs.

Also, Professor Richard Sayer in Biochemistry received a grant of \$150,000 from the International Department of Cooperation Agency for a project on reduced cyanide toxicity in cassava.

Cassava, among all other major crop plants, is perhaps the crop most associated with farmers in tropical third-world countries. Cassava is regarded as an insurance crop which can be "counted on" to grow under difficult environmental conditions. In several regions of the world currently experiencing growing population pressures and environmental deterioration, cassava is the major source of calories. Dr. Sayre aims to genetically engineer cassava so that residual toxins may be removed during processing, but steady state levels are not reduced in living plants and thus may continue to protect the plant. The development of cassava varieties with reduced cyanide toxicity would be most beneficial to populations which subsist on cassava. In addition, given cassava's ability to grow and survive in drought conditions, cassava could help stabilize agricultural production in dry regions of the world.

And that concludes my report.

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## HOSPITALS BOARD COMMITTEE REPORT

Mr. Teaford:

The Administrative/Operations, Executive, and Strategic Planning Committees of the Hospitals Board met on Thursday, October 18, 1990.

The major agenda item for the Administrative/Operations Committee involved review and approval of the University Hospitals' proposed 1990-91 Renovation, Construction, and Equipment Budget and the five-year capital plan. The Committee approved carrying forward with prior commitments and authorized an additional \$7 million for current year capital commitments. The Committee agreed that with the limited resources and uncertainties about federal and local budgetary decisions, it is not prudent to go beyond \$7 million for this fiscal year. However, the Committee is concerned that the OSU Hospitals' capital equipment and construction needs are being minimally met at this level of funding. The need for more financial support from legislative and philanthropic sources was also discussed.

The Administrative/Operations Committee also received a report on safety statistics; reviewed the status on Certificates of Need projects; and received information reports on the CHRI service contracts. As you know, many of the essential services in the Hospitals are being provided by the University Hospitals under a contract. University Hospitals' managed care strategy was also discussed, as well as the MedOhio operations.

In the Executive Committee meeting, the Committee endorsed the capital budget and five-year plan. Dr. Kramer informed the Committee that Dodd Hall received a very positive report and a full three-year accreditation as a result of the recent survey by the Commission on Accreditation of Rehabilitation Facilities. When I met briefly with that group, it was clear that they are honored to be at what they consider the premier rehabilitation facility in the country.

The Executive Committee also discussed the unusually high census for September and early October and the resultant impact on operations and staffing. Through that point we had been averaging 600 patients per day, but had projected in the budget only 520 patients per day. It was noted that with the implementation of the Nursing Task Force recommendations and aggressive recruitment and retention strategies, University Hospitals enjoyed its greatest success in recruitment and the reduction of nursing turn over rates in the past six years. Perhaps the single greatest problem in the Hospitals today is that there are not enough nurses, but we have made real progress in that area.

The preliminary financial and statistical report indicated that September was a good month for the Hospitals. Patient activity was high -- admissions, Clinic visits, and Emergency Room visits were all above budget. Patient revenue for the first three months of the fiscal year was almost \$10 million above budget. The Hospitals' cash position continues to improve with significant positive changes during September. The year-to-date net income is \$200,000 over budget, which is unusual.

## HOSPITALS BOARD COMMITTEE REPORT (contd)

Mr. Teaford: (contd)

Mr. Walter McLarty, Administrator for Human Resources, described University Hospitals' new PACE program -- a criteria based employee appraisal system which allows evaluation of performance based on criteria and standards established jointly by supervisors and employees. Mr. Bruce Pontious updated the Committee on development activities and Ms. Nancy Grover discussed several recent newsworthy events including the Dodd Hall patient and staff reunion held October 7. Mr. Fraley's report included reference to the first annual Executive Director's Awards Dinner, where some 70 outstanding employees would be honored for their commitment to University Hospitals' patients.

Finally, at the Strategic Planning Committee meetings, Ms. Cathy Bruno presented a Market and Service Analysis to measure performance as compared with the 1990-91 strategic planning goals. Ms. Bruno's very thorough report was very helpful and easily understood. The report reaffirmed some strategic actions already taken and will be the basis for continuing budget decisions. I want so say that the report also highlighted how important strategic planning is and how much it makes a Trustee's job more meaningful. It makes it possible for Trustees to determine whether the organization is indeed accomplishing what it intends. It also becomes a very good forum for revising the goals of the institution in a logical fashion.

The report also emphasized the patient volume and financial strength of the Women and Infants, Cardiovascular, and Eye programs, and identified which areas of the State are sources for patient referrals. Also, we saw areas where our pricing is not keeping pace with the excellence of the care available, and I think there will be some changes in that regard. The Committee was informed of a marketing proposal aimed specifically at OSU alumni.

Madam Chairperson, that concludes my report.

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## INVESTMENTS COMMITTEE REPORT

Mr. Teaford:

The Investments Committee met yesterday afternoon and, again, this morning. First with regard to the Endowment Portfolio, there has been an increase in the portfolio of \$1.5 million since my report last month. This is due, in part, to the \$4.2 million in additions to the fund and to the moderation of the stock market decline, but unfortunately not to the elimination of that. There have been nearly \$10 million in additions to the Endowment Fund since June 30, and the percentage and equities in fixed income securities has now been adjusted. Due to the decline in the stock market, we now have 47 percent in equities and 27 percent in fixed income -- the battles being in real property and cash.

(See Appendix XXVIII for a complete context of The Ohio State University Endowment Summary, October 19, 1990, page 555.)

### INVESTMENTS COMMITTEE REPORT (contd)

Mr. Teaford: (contd)

We, also, received a report on the development fund for this fiscal year through the end of September. The number of donors is up from 14,000 to 16,000 and the dollars are up 92 percent from last year to \$12.4 million. This increase is largely due to estates and deferred gifts which came through in this period. One of those estates, I understand, is an expectancy we have had for some twenty years.

(See Appendix XXIX for a complete context of The Ohio State University Foundation and Development Fund Receipts, page 571.)

Yesterday, the Investment Review Committee met for five hours with the seven equity advisors of the Board, including the student managers. After the student managers presented their report we did permit them to stay and see the competition, a courtesy we do not afford the other investment managers. We are satisfied that all those equity managers are doing as well as possible considering the current equity market. As a result of those meetings, the Investments Committee is recommending to this Board some additions of cash to four of our investment advisors. We are recommending an increase of \$5 million in the Lazard Fixed Income Index Fund; \$2.5 million added to the Ginnie Mae Fund managed by the Treasurer's Office; \$7.5 million to the Wells Fargo Standard and Poor Index Fund; and \$5 million to Nicholas-Appelgate, the most successful of our equity managers over the past year. You'll note, in particular, that the bulk of that money is going into index funds which we think given the size of our endowment, makes a great deal of sense. You have in your agenda books a recommendation regarding the reappointment of the investment advisors. You'll notice that the initial balances have been increased by the amounts that I have just mentioned.

### REAPPOINTMENT OF INVESTMENT ADVISORS

Resolution No. 91-45

Synopsis: The Investments Committee recommended the approval of the Reappointment of Investment Advisors.

WHEREAS it is the policy of The Ohio State University to utilize the services of external Investment Advisors to assist in the management of the University's Endowment Fund; and

WHEREAS the Investments Committee of the Board of Trustees periodically reviews the results obtained by the external Investment Advisors and the amount of funds assigned to each of them; and

WHEREAS it is prudent investment policy to adjust the mix and amounts of money assigned to external Investment Advisors as economic conditions change; and

WHEREAS the Investments Committee has also directed the Treasurer to maintain University Managed funds which primarily consist of gifts; and

WHEREAS the number of external Investment Advisors and the amount of funds assigned to them and the Treasurer shall be determined by the Board of Trustees:



November 2, 1990 meeting, Board of Trustees

# REAPPOINTMENT OF INVESTMENT ADVISORS (contd)

## NOW THEREFORE

BE IT RESOLVED, That upon the recommendation of the Investments Committee of the Board of Trustees the following named external Investment Advisors shall be reappointed to counsel in the management of Endowment Fund investments totaling the initial amounts indicated:

	<u>Initial Amounts</u>	<u>Market Value as of 10-19-90</u>
Boatmen's Trust Company (Fixed Income)	\$30,000,000	\$27,472,970
The Chicago Corporation (Equities)	\$17,500,000	\$31,685,585
Duff and Phelps Investment Management Company (Fixed Income)	\$10,000,000	\$10,111,639
W.R. Lazard and Company (Fixed Income Index Fund)	\$15,000,000	\$ 9,850,097
R. Meeder and Associates, Inc. (Small Capitalization Index Fund)	\$15,000,000	\$ 9,595,750
Neuberger & Berman Mutual Funds:		
Guardian Fund	\$ 2,000,000	\$ 7,138,119
Partners Fund	\$ 1,000,000	\$ 4,857,147
Nicholas-Applegate Capital Management (Equities)	\$15,000,000	\$12,628,411
Siebel Capital Management, Inc. (Equities)	\$13,500,000	\$30,885,022
STW Fixed Income Management, Inc. (Fixed Income)	\$30,000,000	\$27,675,464
University Managed (Equities)*	\$14,119,268	\$24,696,968
University Managed (Fixed Income)*	\$ 435,813	\$ 205,710
University Managed (GNMA's)	\$12,500,000	\$10,013,919
University Managed (Students)	\$ 5,000,000	\$ 4,802,041
Wells Fargo Investment Advisors (Standard and Poor 500 Index Fund)	\$37,500,000	\$26,860,149
Wells Fargo Investment Advisors (International Equity Index Fund)	\$10,000,000	\$ 8,449,318

\* Varies with receipt and sale of gifts.

November 2, 1990 meeting, Board of Trustees

**REAPPOINTMENT OF INVESTMENT ADVISORS (contd)**

Upon motion of Mr. Teaford, seconded by Mr. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

Mr. Teaford:

Finally, Madam Chairperson, we have received the preliminary NACUBO Report which is the report on the endowment performances of all the major universities in the country. We continue to be consistently near the median in terms of the production of our investments, which is the goal of this body. If we are near the median we feel we are being neither too risky nor too wimpish. We will have a full report on this next month. That completes my report, Madam Chairperson.

Mr. Kessler:

Joel, several years ago we brought in an outside group to evaluate our investment managers, as well as look at the recommended mix between cash, real estate, fixed, and equities. I wonder if there is any plan to look at that again, as the portfolio becomes larger?

Mr. Teaford:

I am glad that you raised that question, because one of the things we did by these increases in the capital, was to more nearly conform to that recommendation of last year. I think the recommendation was --

Mr. Nichols:

Sixty percent in equities, 25 percent in fixed income, and 15 percent in real estate.

Mr. Teaford:

So these additions more nearly conform to that.

Mr. Kessler:

I also think that we should continue to evaluate them, in terms of how they are performing verses their peer groups in the country and endowments. The one who has a good year this year may not be the one who is good next year. I think that is something that is prudent and something we should do as a Board.

Mr. Teaford:

And, indeed, their reports did demonstrate to us that they are all above average compared to their peers even though it is a down market.

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## **ACADEMIC AFFAIRS COMMITTEE REPORT**

Mr. Kessler:

Thank you, Madam Chairperson. We met this morning and had a very interesting discussion from Dr. Robert Arnold on the implication of the general education curriculum. The Committee is also recommending the following:

### **NEW DEGREE PROGRAM**

Resolution No. 91-46

Synopsis: The Academic Affairs Committee recommended the approval of the establishment of a Bachelor of Science in Materials Science and Engineering degree program.

WHEREAS the College of Engineering has proposed a new degree program in the Department of Materials Science and Engineering to be complementary to revisions in the existing Ceramic Engineering and Metallurgical Engineering programs; and

WHEREAS the dominant materials of construction in industrial societies are being supplemented or replaced by new and improved materials at an ever-increasing rate and it has become important to prepare engineers capable of taking innovative approaches to the solution of technical problems involving these materials; and

WHEREAS the proposed degree will allow the College of Engineering to respond to changes in the metallurgical, ceramic, and electronic industries; to enhance recruitment of undergraduate students; and to offer greater flexibility of study for students interested in a range of materials options; and

WHEREAS this new degree program has the approval of the College of Engineering and the Council on Academic Affairs and was approved by the University Senate at its October 13, 1990 meeting:

NOW THEREFORE

BE IT RESOLVED, That the proposal to establish the tagged degree Bachelor of Science in Materials Science and Engineering is hereby approved.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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### **ESTABLISHMENT OF DIVISION**

Resolution No. 91-47

Synopsis: The Academic Affairs Committee recommended the approval to change the Center for Comparative Studies in the Humanities into the Division of Comparative Studies in the Humanities.

### **ESTABLISHMENT OF DIVISION (contd)**

WHEREAS the current administrative structure of the Center for Comparative Studies in the Humanities does not allow for suitable program development by this unit within the University; and

WHEREAS faculty members of the College of Humanities associated with the Center have requested that a Division of Comparative Studies in the Humanities be formed; and

WHEREAS divisional status for the Center would allow it to develop innovative programs in the areas of comparative literature, religious studies, and values, science, and technology; and

WHEREAS nine faculty in the College of Humanities desire to transfer to the Division if it were to be formed as a tenure-initiating unit; and

WHEREAS this proposed change has the endorsement and support of the College of Humanities, the approval of the Council on Academic Affairs, and the University Senate approved the proposal at its October 13, 1990 meeting;

NOW THEREFORE

BE IT RESOLVED, That the proposal to change the Center for Comparative Studies in the Humanities to the Division of Comparative Studies in the Humanities, effective immediately, is hereby approved.

Upon motion of Mr. Kessler, seconded by Amb. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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### **RENAMING OF DEPARTMENT**

Resolution No. 91-48

Synopsis: The Academic Affairs Committee recommended the approval to rename the Department of Physiological Chemistry to the Department of Medical Biochemistry.

WHEREAS the proposed name change of the Department of Physiological Chemistry to the Department of Medical Biochemistry has been unanimously approved by the faculty of the Department and the College of Medicine Executive Committee; and

WHEREAS the Council for Research and Graduate Studies has approved the change of name for the Graduate programs in Physiological Chemistry; and

WHEREAS the present name is no longer appropriate to describe the composition of the department, its research interests, or its role in the College and the University; and

WHEREAS the proposed name change is in line with the national trend away from the use of the name of Physiological Chemistry; and

WHEREAS the term Physiological Chemistry has created a source of confusion for potential graduate students; and

November 2, 1990 meeting, Board of Trustees

### **RENAMING OF DEPARTMENT (contd)**

WHEREAS these proposed changes have the approval of the Council on Academic Affairs, and was approved by the University Senate at its October 13, 1990 meeting:

NOW THEREFORE

BE IT RESOLVED, That the proposal to change the name of the Department of Physiological Chemistry to the Department of Medical Biochemistry, with concomitant name changes in the department's graduate programs, effective immediately, is hereby approved.

Upon motion of Mr. Kessler, seconded by Amb. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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### **RENAMING OF DEPARTMENT**

Resolution No. 91-49

Synopsis: The Academic Affairs Committee recommended the approval to rename the Department of Geology and Mineralogy to the Department of Geological Sciences.

WHEREAS the proposed name change of the Department of Geology and Mineralogy to the Department of Geological Sciences has been approved by the faculty in the Department, and by the College of Mathematical and Physical Sciences; and

WHEREAS the Council for Research and Graduate Studies has approved the name change for the graduate programs in Geology and Mineralogy; and

WHEREAS the proposed name change is in accordance with the broad-based expertise of the faculty and characterizes the research and instructional interests of the Department; and

WHEREAS the proposed name change is in line with the national trend of naming comparable departments; and

WHEREAS the proposed changes have the approval of the Council on Academic Affairs, and was approved by the University Senate at its October 13, 1990 meeting:

NOW THEREFORE

BE IT RESOLVED, That the proposal to change the name of the Department of Geology and Mineralogy to the Department of Geological Sciences, with concomitant name changes in the department's graduate and undergraduate programs, effective immediately, is hereby approved.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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November 2, 1990 meeting, Board of Trustees

**THE FRED N. VANBUREN PROFESSORSHIP IN FARM MANAGEMENT**

Resolution No. 91-50

Synopsis: The Academic Affairs Committee recommended the approval to change "The Fred N. VanBuren Professorship in Farm Management Fund" to "The Fred N. VanBuren Professorship in Farm Management."

WHEREAS in accordance with the guidelines previously established by this Board, "The Fred N. VanBuren Professorship in Farm Management Fund" was established on November 1, 1985; and

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates; and

WHEREAS at the time of the establishment of the endowed fund it was agreed that the fund be redesignated The Fred N. VanBuren Professorship in Farm Management when the funding reached the appropriate level; and

WHEREAS the funding has now reached the level required through unexpended earnings on the original investment:

NOW THEREFORE

BE IT RESOLVED, That The Fred N. VanBuren Professorship in Farm Management Fund be changed to The Fred N. VanBuren Professorship in Farm Management. In keeping with the provisions of the original endowed fund, the annual income shall be used to support the work of one or more outstanding professors in the College of Agriculture in the area of farm management. The income may be used to supplement the salary of one or more outstanding scholars, enrich the curriculum of farm management classes or to fund other activities that will significantly enhance the teaching of farm management at The Ohio State University for the benefit of both students and farm clientele of the University's programs; and

BE IT FURTHER RESOLVED, That should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for agricultural instruction.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**THE IRVING ABRAMOWITZ MEMORIAL PROFESSORSHIP**

Resolution No. 91-51

Synopsis: The Academic Affairs Committee recommended the approval to change "The Irving Abramowitz Memorial Professorship Fund" to "The Irving Abramowitz Memorial Professorship."

November 2, 1990 meeting, Board of Trustees

#### **THE IRVING ABRAMOWITZ MEMORIAL PROFESSORSHIP (contd)**

WHEREAS in accordance with the guidelines previously established by this Board, "The Irving Abramowitz Memorial Professorship Fund" was established on February 5, 1982; and

WHEREAS all gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates; and

WHEREAS at the time of the establishment of the endowed fund it was agreed that the fund be redesignated The Irving Abramowitz Memorial Professorship when the funding reached the appropriate level; and

WHEREAS the funding has now reached the level required through unexpended earnings on the original investment:

NOW THEREFORE

BE IT RESOLVED, That The Irving Abramowitz Memorial Professorship Fund be changed to The Irving Abramowitz Memorial Professorship. In keeping with the provisions of the original endowed fund, the annual income shall be used to support the work of a distinguished teacher, researcher and scholar in business policy and ethics in the business policy faculty area of the College of Business; and

BE IT FURTHER RESOLVED, That should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for management education.

Upon motion of Mr. Kessler, seconded by Amb. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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#### **RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION -- AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 91-52

Synopsis: The Academic Affairs Committee recommended the approval of amendments to the Bylaws of the Board of Trustees and Rules of the University Faculty to reflect title changes and the delineation of responsibilities in accordance with the recommended restructuring of the University administration.

WHEREAS as a part of the restructuring of the University administration, amendments to the Bylaws of the Board of Trustees and Rules of the University Faculty are necessary to effectuate the changes proposed; and

WHEREAS paragraph (E) of bylaw 3335-1-03 and faculty rule 3335-3-05 delineates the composition of the president's executive committee and incorporates changes made pursuant to the proposed restructuring of the central administration of the University; and

November 2, 1990 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION --  
AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES  
AND RULES OF THE UNIVERSITY FACULTY (contd)**

WHEREAS the recommendation is being made to change the title of the position of vice president for academic affairs and provost to that of *senior vice president for academic affairs and provost*; and

WHEREAS the position of vice president for personnel services is being abolished and a new reporting relationship is being proposed for the Office of Personnel Services, which will now report through the Office of the Vice President for Business and Administration; and

WHEREAS the position of vice president for research and graduate studies will be abolished and the new position of *vice president for research* is being proposed, with graduate studies now reporting to the Office of Academic Affairs:

NOW THEREFORE

BE IT RESOLVED, That pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the proposed amendments to the Bylaws of the Board of Trustees and the Rules of the University Faculty are hereby adopted; and

BE IT FURTHER RESOLVED, That the Secretary of the Board of Trustees is hereby authorized and directed to incorporate the recommended changes -- title changes, unit designations, and unit realignments in the applicable sections in the Bylaws of the Board of Trustees and the Rules of the University Faculty; and

BE IT FURTHER RESOLVED, That the referenced changes should be reflected in the next printing of these official records of the Board of Trustees.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**DESIGNATION OF APPOINTING AUTHORITY AND TRANSFER OF  
AUTHORITY FOR CLASSIFICATION ADMINISTRATION**

Resolution No. 91-53

Synopsis: The Academic Affairs Committee recommended the approval of the designation of Appointing Authority for Classified Civil Service Employees and transfer of authority for Classification Administration.

WHEREAS as a part of the restructuring of the University administration, it is necessary to designate a new Appointing Authority for Classified Civil Service employees and to transfer the authority for the Classification Administration:

NOW THEREFORE



November 2, 1990 meeting, Board of Trustees

**DESIGNATION OF APPOINTING AUTHORITY AND TRANSFER OF  
AUTHORITY FOR CLASSIFICATION ADMINISTRATION (contd)**

BE IT RESOLVED, That upon the recommendation of the President, Steven W. Stoffel, Associate Vice President for Personnel Services, be designated as the Appointing Authority for the non-instructional (Classified Civil Service) employees of the University pursuant to Chapter 124 of the Ohio Revised Code, and be given authority for Classification Administration, effective November 1, 1990.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**HONORARY DEGREE**

Resolution No. 91-54

Synopsis: The Academic Affairs Committee recommended the approval of awarding an honorary degree to Stanley J. Aronoff.

WHEREAS pursuant to paragraph (C) of rule 3335-3-03 of the Administrative Code, the President, after consultation with the Steering Committee of the University Senate, recommended to the Board of Trustees awarding of an honorary degree as listed below:

Stanley J. Aronoff

Doctor of Laws

**NOW THEREFORE**

BE IT RESOLVED, That the above honorary degree be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mr. Kessler, seconded by Mr. Celeste, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**Honorary Degrees**

Background

Nyle C. Brady

Dr. Nyle C. Brady is an example of a remarkable individual with a rare combination of talents who has made outstanding contributions in soil science and agronomy as scientist, teacher, administrator, and a counselor. He has fostered cooperation in international agricultural research, in teaching, research and development.

Dr. Brady had a distinguished career spanning over a period of four decades. He served North Carolina State and Cornell Universities, University of the Philippines, International Rice Research Institute, USAID, and UNDP. In addition to his tenure with those institutions, Dr. Brady served the cause of soil science and agronomy through numerous national and international committees and panels.

### Honorary Degrees (contd)

#### Background (contd)

#### Nyle C. Brady (contd)

In 1965, Dr. Brady served as member of the Environmental Pollution Panel of the President's Science Advisory Committee. In 1966, he was a member of the World Food Supply Panel of the President's Science Advisory Committee. From 1968-1971, Dr. Brady was Chairman of the Agricultural Board, National Academy of Sciences. He was also a member of the Executive Committee, Division of Biology and Agriculture, National Academy of Sciences, and a member of the Panels on Environmental Quality and on Chemicals and Health of the President's Science Advisory Committee.

Dr. Brady was a consultant for USAID-sponsored Southeast Asian Ministers of Educational Secretariat Project on Agriculture, a member of the U.S. National Air Quality Criterion Advisory Committee, and Chairman of the USAID Central Research Advisory Committee. He served for two years as a member of the Board on Science and Technology of the National Academy of Sciences Foreign Secretary's Office.

Dr. Brady was instrumental in establishing the Indo-U.S. Science and Technology Initiative that promoted joint soils research between Indian and U.S. scientists. As head of the USAID-Science and Technology, he has been a strong supporter of the Title XII program.

Dr. Brady's book Nature and Properties of Soils is a textbook used throughout the world. He is editor-in-chief of the prestigious review journal Advances in Agronomy, in which many important science topics are reviewed and placed in scientific perspective. Advances in Agronomy is the standard reference journal in agriculture.

Dr. Brady has contributed greatly to soil science and agronomy through his support for soil science research and educational programs and through his lectures, writing, and editorial capacities. The influential posts he has held at IRRI, USAID, and several governmental panels, made him a person of influence in soil science around the world.

Without doubt, Dr. Brady is one of the world's eminent soil scientists and most deserving candidate for the award of the honorary doctorate degree from The Ohio State University.

#### D. Allen Bromley

D. Allen Bromley is Henry Ford II Professor of Physics at Yale University, New Haven, Connecticut. He received his B.Sc. with highest honors from the Faculty of Applied Science, Queen's University at Kingston, Ontario in 1948. His Ph.D. in nuclear physics was awarded in 1952 from the University of Rochester, Rochester, New York. For his outstanding research he has received nine honorary degrees from universities around the world. He is currently Assistant to the President for Science and Technology, Director of the White House Office of Science and Technology, and Chairman, President's Council of Science and Technology Advisors. He has been the recipient of Guggenheim, Humbolt and Benjamin Franklin fellowships and was awarded the National Medal of Science in 1988.

## Honorary Degrees (contd)

### Background (contd)

#### D. Allen Bromley (contd)

As Science Advisor he acts to advise the President on matters of science and technology. It is not an understatement that his council can, and will, influence the course of basic and applied research as well as the development of the strong technological base that the United States must have to compete globally. He has already obtained universal approval after the first seven months in office. His broad interests and his skill as a communicator have brought coherence and visibility to science and technology at a level unheard of in Washington.

It is not surprising that Professor Bromley has outstanding letters of support from a wide range of experts in science and technology, as well as from a number of distinguished faculty and administrators here at Ohio State. Secretary of Energy James D. Watkins, Admiral, U.S. Navy (Retired) states that "His presence at the White House has made a difference, his clear thinking has proven to be a great asset to the fine President we both serve." Alexander Zucker, Director of Oak Ridge National Laboratory, says "in the world of physics Bromley has a unique position of a superb scientist, a talented teacher, and a servant of science in the finest sense of the word." Dr. Erich Vogt, Director of TRIUMF, Canada's premier accelerator facility, states that "Bromley has been, for more than three decades, one of the most outstanding scientists in the world of nuclear physics." Benno C. Schmidt, President of Yale University, points out of Bromley that "his laboratory at Yale has graduated more Ph.D.'s in experimental nuclear physics than any other institution in the world." Every reference speaks of Professor Bromley's outstanding career as a scientist. In short, Professor Bromley is a scholar of amazing breadth and depth, a public servant of integrity and wisdom, and is most deserving of an honorary degree from The Ohio State University.

#### Robert L. Metcalf

Dr. Robert L. Metcalf received his B.A. (1939) and M.A. (1940) degrees from the University of Illinois at Champaign-Urbana. He completed his Ph.D. degree at Cornell University in 1943. Dr. Metcalf has served as a teacher and scholar at the University of California at Riverside (1946-68) and the University of Illinois (1968-present) for more than 40 years. He is renowned for his research contributions to several fields including carbonate chemistry, insecticide physiology and toxicology, environmental fate of pesticides and plant/insect co-evolution. He is considered one of the pioneers of the discipline of environmental toxicology. His many research achievements and his prodigious output are documented in his 400 journal articles and books. Dr. Metcalf's impact on science has been publicly acknowledged through receipt of numerous awards in several fields including induction into the National Academy of Sciences at a relatively young age. But equally compelling is his influence on society. His insistence on making environmental compatibility an essential property of pesticides and his determination to institute a pesticide registration process that emphasizes safety as much as efficacy have been instrumental in reducing environmental damage caused by pesticides and assuring public safety.

In his 44 years in academia, Dr. Metcalf has given freely of his time and expertise. He has been the primary adviser to more than 70 graduate students who now hold positions around the world. He is revered by his students for his continuing generosity of spirit, his wealth of knowledge, and his capacity to continue to make fundamental scientific discoveries even as his peers drift towards retirement. He remains to this day as influential as he ever was; his students and colleagues continue to look to him to define the national research agenda in his areas of expertise.

November 2, 1990 meeting, Board of Trustees

## **HONORARY DEGREES**

Resolution No. 91-55

Synopsis: The Academic Affairs Committee recommended the approval of awarding honorary degrees to Nyle C. Brady, D. Allan Bromley, and Robert L. Metcalf.

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-488 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Nyle C. Brady	Doctor of Humane Letters
D. Allan Bromley	Doctor of Science
Robert L. Metcalf	Doctor of Science

NOW THEREFORE

BE IT RESOLVED, That the honorary degrees be awarded in accordance with the recommendation at a time convenient to the University and the recipient.

Upon motion of Mr. Kessler, seconded by Amb. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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## **DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT**

Resolution No. 91-56

Synopsis: The Academic Affairs Committee recommended the approval of Degrees and Certificates for Autumn Quarter.

WHEREAS pursuant to paragraph (E) of rule 3335-1-06 of the Administrative Code, the Board has authority for the issuance of degrees and certificates; and

WHEREAS the faculties of the colleges and schools shall transmit, in accordance with rule 3335-9-29 of the Administrative Code, for approval by the Board of Trustees the names of persons who have completed degree and certificate requirements:

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 7, 1990, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools, and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**WAIVER**

Resolution No. 91-57

Synopsis: The Academic Affairs Committee recommended the approval of a waiver.

WHEREAS pursuant to Board Resolution 78-21, dated September 9, 1977, "Faculty Professional Leave Program," any full-time faculty member with at least seven academic years of teaching service at The Ohio State University may be granted professional leave for a period not to exceed one academic year; and

WHEREAS this resolution stipulates further that professional leaves of one quarter at full salary may be taken; however, longer leaves are to be encouraged. Other professional leave options for nine month appointment faculty may consist of two quarters each at three-fourths salary or three quarters each at two-thirds salary. Other leave options for eleven month appointment faculty may consist of two quarters each at three-fourths salary, three quarters each at two-thirds salary, or four quarters each at two-thirds salary; and

**NOW THEREFORE**

BE IT RESOLVED, That the requirements set forth in Resolution 78-21 pertaining to limitations on salary during leaves of absence are hereby waived for Professor Peter Culicover for the 1991-92 academic year (Summer and Autumn Quarters 1991 and Winter and Spring Quarters 1992).

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PERSONNEL ACTIONS**

Resolution No. 91-58

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 5, 1990 meeting of the Board, including the following Appointment, Special Appointment, Changes in Titles, Appointment of Chairpersons of Departments, Reappointment of Director of Center, Leaves of Absence Without Salary, Leaves of Absence Without Salary--Continuation, Professional Improvement Leaves, Professional Improvement Leaves--Change in Dates, and the Medical Staff Appointments for The Arthur G. James Cancer Hospital and Research Institute as detailed in the University Budget be approved.

Appointment

Name:	DAVID L. FORSTER
Title:	Professor (The Fred N. VanBuren Professorship in Farm Management)
Department:	Agricultural Economics and Rural Sociology
Term:	October 1, 1990 through September 30, 1993
Salary:	\$62,280.00
Present Position:	Professor, Department of Agricultural Economics and Rural Sociology

November 2, 1990 meeting, Board of Trustees

## PERSONNEL ACTIONS (contd)

### Special Appointment

Name: JAMES H. MARTIN  
Title: Professor (J. T. "Stubby" Parker Chair in Dairy Foods Fund Professor)  
Department: Department of Food Science and Technology  
Term: October 1, 1990 through December 31, 1991  
Salary: \$81,480.00  
Present Position: Professor, Department of Food Science and Technology and Cooperative Extension Service

### Changes in Titles

Name: FREDERICK E. HUTCHINSON  
Title: Senior Vice President for Academic Affairs and Provost  
Office: Academic Affairs  
Effective: November 1, 1990  
Salary: N/A  
Present Position: Vice President for Academic Affairs and Provost

Name: MADISON H. SCOTT  
Title: Executive Assistant to the President, Secretary to the Board of Trustees and Secretary of the University  
Offices: President's/Board of Trustees  
Effective: November 1, 1990  
Salary: N/A  
Present Position: Vice President for Personnel Services and Secretary, Board of Trustees

### Appointment of Chairpersons of Departments

October 1, 1990 through June 30, 1991

Civil Engineering

Zoltan A. Nemeth\*

January 1, 1991 through June 30, 1995

Animal Science

Glen H. Schmidt

### Reappointment of Director of Center

October 1, 1990 through September 30, 1991

Center for African Studies

Isaac J. Mowoe

\*Acting Chair

### Leaves of Absence Without Salary

XIAO-MEI CHEN, Assistant Professor, Center for Comparative Studies in the Humanities, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to except a Stanford University External Faculty Fellowship.

November 2, 1990 meeting, Board of Trustees

### **PERSONNEL ACTIONS (contd)**

#### Leaves of Absence Without Salary (contd)

MARITA KAW, Assistant Professor, Department of Political Science, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to do research at UCLA.

DWAIN S. MEFFORD, Assistant Professor, Department of Political Science, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to participate in the inter-academy exchange between the American and Soviet Academies of Science.

ANNE W. NEUMANN, Assistant Professor, Department of English, effective Spring Quarter 1991, for personal reasons.

EMILIE E. REGNIER, Assistant Professor, Department of Agronomy and Department of Agronomy - OARDC, effective October 16, 1990, through November 26, 1990, for personal reasons.

#### Leaves of Absence Without Salary--Continuation

BRUCE S. GROWICK, Associate Professor, Department of Educational Services and Research, effective Autumn Quarter 1990, to continue as Director of the Rehabilitation Division of the Industrial Commission of Ohio.

WADE T. DYKE, Assistant Professor, School of Public Policy and Management, effective Autumn Quarter 1990, Winter Quarter and Spring Quarter 1991, to participate in public policy formulation.

#### Professional Improvement Leaves

PETER W. CULICOVER, Director and Professor, Cognitive Science Program and Department of Linguistics, effective Summer Quarter and Autumn Quarter 1991, and Winter Quarter and Spring Quarter 1992.

ROY A. STEIN, Professor, Department of Zoology, effective Winter Quarter and Spring Quarter 1991.

#### Professional Improvement Leaves--Change in Dates

THOMAS A. ROMANOWSKI, Professor, Department of Physics, change leave from Spring Quarter and Autumn Quarter 1990 and Winter Quarter 1991, to Winter Quarter, Spring Quarter and Autumn Quarter 1991.

ARNOLD M. ZWICKY, Professor, Department of Linguistics, change leave from Autumn Quarter 1990 and Winter Quarter 1991, to Winter Quarter and Spring Quarter 1991.

ANNMARIE A. ZAHARLICK, Assistant Professor, Department of Anthropology, change leave from Winter Quarter and Spring Quarter 1991, to Autumn Quarter 1991 and Winter Quarter 1992.

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)

**NEW APPOINTMENTS TO MEDICAL STAFF  
1990-91**

DODDS, WILLIAM G., M.D., Associate Attending Staff, Department of OB/GYN

FRIEDMAN, CHAD I., M.D., Associate Attending Staff, Department of OB/GYN

GAMS, RICHARD A., M.D., Clinical Attending Staff, Department of Internal Medicine--Division of Hematology/Oncology

RAMMOHAN, KOTTIL W., M.D., Associate Attending Staff, Department of Neurology--Division of Neurology

ROVIN, BRAD H., M.D., Associate Attending Staff, Department of Internal Medicine--Division of Renal

TZAGOURNIS, MANUEL, M.D., Associate Attending Staff, Department of Internal Medicine--Division of Endocrinology

VANFOSSEN, DOUGLAS B., M.D., Associate Attending Staff, Department of Internal Medicine--Division of Cardiology

WASHINGTON, SHARON E., M.D., Associate Attending Staff, Department of Internal Medicine--Division of General Medicine

Upon motion of Mr. Kessler, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**RESOLUTION IN MEMORIAM**

Resolution No. 91-59

Synopsis: The Academic Affairs Committee recommended the approval of a Resolution in Memoriam for Robert F. Daly, M.D.

RESOLVED, That the Board adopt the following Resolution in Memoriam and that the President be requested to convey a copy to the family of the deceased.

Robert F. Daly, M.D.

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 2, 1990, of Robert F. Daly, M.D., Professor Emeritus in the Department of Obstetrics and Gynecology.



**RESOLUTION IN MEMORIAM (contd)**

Robert F. Daly, M.D. (contd)

Dr. Daly was born on April 11, 1908, in Middletown, Indiana. He received the Bachelor of Arts degree in 1929 from Walbath College in Indiana, and taught science at Alexandria High School in Alexandria from 1930 to 1932. He earned his Doctor of Medicine degree in 1937 from The Ohio State University. His professional training included a one year internship in Medicine (1937-1938), an internship in assistant residency in Surgery (1938-1940), and he had his residency in Obstetrics and Gynecology (1940-41), all at The Ohio State University Hospital.

Dr. Daly entered the practice of Obstetrics and Gynecology in Columbus, Ohio, and continued his contribution to teaching at The Ohio State University College of Medicine as a clinical faculty (1942-1974), rising to the rank of clinical professor in 1965. He became an emeritus faculty member in 1974. He also served as director of the Department of Obstetrics and Gynecology at Mt. Carmel Hospital in Columbus (1945-1962). Dr. Daly served as president of the Columbus OB/GYN Society, and was active in many local, state, and national organizations in medicine. He was a founding fellow of the American College of Obstetricians and Gynecologists.

Dr. Daly was a talented clinician and teacher who cared about his patients and students with compassion and rich sense of humor. He will be remembered for his four-decade contribution to The Ohio State University.

On behalf of the University community, the Board of Trustees expresses to the family its deep sympathy. It was directed that this resolution be inscribed upon the minutes of the Board Trustees and that a copy be tendered to the family as an expression of the Board's realization of the loss that the family, the University, and his many friends and associates have sustained.

Upon motion of Mr. Kessler, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**STUDENT AFFAIRS COMMITTEE REPORT**

Ms. Paige:

This morning we heard a report on Recreation and Intramural Sports by Frederick Beekman, who I might add has served the University for over 43 years. He conveyed to the Board that the mission of the Department of University Recreation and Intramural Sports is to provide desired recreational sports programs and services for the purpose of enhancing students' knowledge, interests, and behaviors that promote healthy lifestyles, positive human relations, attitudes, behavior, and leadership skills. Also, the Recreation and Intramural Sports Program at Ohio State is the largest of its kind in the nation, with over 2.4 million facility participations last year. And when physical education and athletic facility participations are added to this total, it is nearly 4 million.

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Ms. Paige: (contd)

A recent OSU poll determined that 87 percent or 47,000 different students utilized some of the recreational facilities and programs during the year. In addition, the same OSU poll reported that over 70 percent of the faculty also utilized the facilities and programs. Approximately 60,000 to 70,000 people visited the Larkins Hall Recreational Facility on official University tours last year. Larkins Hall is a 360,000 square foot multi-purpose facility, housing 11 varsity athletic teams, and nearly all basic instruction Physical Education classes.

In addition to our facilities, Ohio State has the largest Intramural Sports program in the nation, with nearly 4,300 teams and 53,000 participants playing 13,500 contests annually. We have over 920 basketball teams; 700 flag football teams; and 690 volleyball teams. Last Spring Quarter, nearly 1 out of every 3 students played on an intramural softball team. So I think that illustrates the great job they are doing in that department.

After Mr. Beekman's report we heard reports from the student government leaders:

Ms. Benetta Burton:

Good morning. Sometimes the message that we intend to be heard is perceived differently. In Dr. Gee's speech, entitled Time and Change, he mentioned that Ohio State was a "sleeping giant" and to change constructively, a person or institution must not go gently into it. However, it seems that the "sleeping giant" is not ready to move ahead so quickly, human nature struts into the picture. Although we know as human beings that change is inevitable, we resist it. Sometimes people have to be convinced about the necessity of change. They want to know how the change will benefit them. For this purpose, more communication needs to take place.

Dr. Gee mentioned in his speech about the appropriateness of the quarter system for Ohio State, he expressed that perhaps it is time for the flagship to join the flotilla. The Council of Graduate Students wants to publicly thank Dr. Gee for calling for discussion on the academic calendar. The change in the academic calendar is a quality of life issue for graduate students. We believe that the change to an early semester system would contribute to a less stressful environment.

The Council of Graduate Students is pursuing another quality of life issue that we believe will also contribute to reducing stress in the lives of graduate students. The Graduate's Associate Committee is looking into the possibility of adding health benefits to the total stipend package. A number of schools around the country are paying the health care, in some fashion, for their graduate associates. We are cognizant that we have a relatively good health care plan here at Ohio State; however, we are concerned that some graduate students are forgoing purchasing Student Health Insurance. The cost may be prohibitive for various reasons. For example, it may be hard for a student with a family to purchase health insurance, if the family is trying to live off of the student's stipend. We are exploring the addition of such benefits with the graduate population and with other constituents in the University.

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Ms. Burton: (contd)

The Council is concerned about increasing the amount of funds generated by the dollar checkoff for student government projects. We use these funds to sponsor social events and to co-sponsor activities of other recognized graduate student groups. Our funds from this source have dropped off dramatically. To increase funds, we have communicated this need to students by making them aware of the purpose of the funds through ads placed in the Lantern and in our own publication, The Graduate Voice. We also are pursuing changing the script in the Brutus Registration System. Currently you have to go through an option section to make the donation. The students should be asked directly, "Do you want to give a dollar to student government projects." We will pursue this topic with the proper authorities.

The three student government presidents have met with the Student Trustees to discuss the Student Trustee position that will come available May 14. We will be getting together to discuss rules and so forth. Hopefully, another professional student will not be elected.

Mr. Shumate:

One of the issues last year was the participation of the students. We want to try to get a larger number of students interested in the trustee position. Are you working on those steps that were discussed last spring?

Ms. Burton:

We know one of the things we need is better advertising and allowing enough time for applying. One of the problems last year was that there was not enough time given for students to apply.

Ms. Paige:

Thank you. Next, we will have a report on the Undergraduate Student Government.  
Mike --

Mr. Mike Clark:

Good morning. First of all, I would like to reiterate the importance of Mr. Beekman's remarks on the Recreation and Intramural Sports Program. I think it is excellent and a very important part of student life. I commend you all for what you are doing; I think it is just great.

I just have a few short things to discuss. You have heard me talk about it before -- and I will continue to talk about it -- Campus Safety. We are experiencing a 40 percent increase in the use of our USG Crime Watch Escort Service. We are investigating alternatives to meet the demands of the students and to help provide a safer environment at OSU. One way we can meet these demands is by the use of vans which provides a safer and more efficient means of escorts. If you know any one who might have some extra vans we could use, please let me know.

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Teaford:

We were told this morning that is going to happen. That has been taken care of from what I understand.

Mr. Clark:

That is correct. We are looking for some people who are willing to donate -- maybe make a contribution, or something of that sort. As you are probably well aware, the CCP (Community Crime Patrol) had a press conference yesterday afternoon. We have established a good working relationship with them already, and some things that we are doing with them are training, self defense, radio operations, and CPR. We are trying to work in conjunction with them because we are all here for the same reason, and that is to make sure people are safe.

This leads me to the next topic I would like to discuss, and that is the Undergraduate Student Government President's Council. I believe all of you received letters inviting you to attend this on November 13, from 7:30-8:30 p.m. We think this would be an excellent opportunity for the Trustees to meet the students and to hear and discuss some of the concerns that the students have. Ms. Paige, Mr. Tonnie, and Mr. Teaford have already said that they would be able to attend. I was wondering if Mr. Shumate and Mr. Celeste would be able to attend as well? And maybe you could help communicate this to the other Trustees. I would like to try and encourage you to make that.

To reiterate on the Student Trustee search that was mentioned earlier, we are trying to provide undergraduate students with the same opportunity. As you are probably well aware, it is difficult for a sophomore to compete with someone who is in law school or medical school. So we are going to try and better educate them on the process, on the things they can do, and how they can better represent themselves to the committee itself.

Ms. Paige:

We were looking at the application itself -- we want to be sure the students are judged on standard qualifications, as opposed to being judged on how thick their resume is. That is something we are definitely concerned about. We have found that younger students are not making it as far in the process. We want to look at that and see how the process is discriminatory to the sophomore, junior, and senior; and how we can make it so more students can make it through the process.

Mr. Clark:

I guess at this time I will answer any questions that you may have.

Mr. Teaford:

Have you actually given any thought to making one of the Trustees an undergraduate and the other a graduate by only submitting that group of names to the Governor?

### **STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Clark:

We have thought about that, but there would probably be some competition between Benetta and myself, because a graduate student has never been on the Board.

Mr. Teaford:

I do lump graduate and professional students together since they are all post-graduates.

Ms. Burton:

We are pleased with our representatives and we want all students to have the opportunity. We don't feel that we need to restrict the process.

Ms. Paige:

Thank you.

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### **AGRICULTURAL AFFAIRS COMMITTEE REPORT**

Ms. Casto:

We had two reports today. The first from Dr. Larry Phelan, in the Department of Entomology, who reported on the OARDC Insect Chemical Ecology Laboratory. Dr. Phelan explained that insect chemical ecology seeks to understand how insects utilize chemical cues in their struggle to survive, particularly in their need to locate food and mates. By understanding how insects use these natural behavior modifying chemicals, "semiochemicals," we are able to apply this information to help reduce pest populations. The potential in disrupting pest populations is an alternative to the present heavy dependence on pesticides. This is just another example of how we are trying to protect our environment and find a happy medium and balance to still produce quality food.

Dr. Harry Holtink, in the Department of Plant Pathology, then reported on The Ohio State University's response to solid waste management. He noted that the United States has, for some time, been in a solid waste crisis -- landfilling is no longer an acceptable option. Ohio State has, for almost two decades, been performing basic applied research in waste management. Contributions through this research have been: the isolation and characterization of the first natural product fungicides and beneficial microorganisms in composts; use of compost as a food base for beneficial microorganisms; development of Federal guidelines for control of fecal parasites and pathogens through composting; and elucidation through basic principles for composting of solid waste.

Present research is aimed at improving the efficiency of composting systems, the biodegradation of Xenobiotics through composting and further substitution of pesticides with compost suppressive to disease. That completes my report.

**AGRICULTURAL AFFAIRS COMMITTEE REPORT (contd)**

Mrs. Bowser:

Dr. Gee and I saw those very same experiments going on in the laboratories when we were in Wooster. It is a response of a natural kind, instead of using chemicals for everything.

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**FISCAL AFFAIRS COMMITTEE REPORT**

Amb. Wolf:

Mr. Shkurti presented a first quarter budget report and no changes are proposed at this time in our budget.

(See Appendix XXX for The Ohio State University 1990-91 Current Funds Budget, 1st Quarter Report, page 573.)

The Fiscal Affairs Committee is recommending the following resolutions:

**Waivers of Competitive Bidding Requirements  
July-September 1990**

Background

During the period covered, the Acting Vice President for Business and Administration, at the requests of the departments making the purchases and upon the recommendation of the Purchasing Department, granted 56 waivers of competitive bidding requirements. Annual purchases authorized by these waivers total approximately \$27,076,300.00. The two largest individual waivers were for: (1) merchandise for resale through the Bookstores, A/V and Computer Store, University Airport Golf Course and Ice Rink Pro Shops, University Hospitals Gift Shop, and the Ohio and Drake Union newsstands (totaling \$14,013,000.00); and (2) publications (periodicals, books, binary services) for the Libraries and other departments (totaling \$6,523,000.00). Annual purchases authorized by the remaining 54 waivers included:

Hospitals - Professional Services	3,796,075	(3 waivers)
Hospital Equipment & Services	813,523	(10 waivers)
Artists & Attractions	706,190	(4 waivers)
Administrative Support Services & Equipment	654,549	(12 waivers)
Instructional & Research Services & Equipment	448,180	(17 waivers)
Conference Facilities & Catering	121,813	(8 waivers)

**WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS  
JULY-SEPTEMBER 1990**

Resolution No. 91-60

Synopsis: The Fiscal Affairs Committee recommended acceptance of the quarterly report on waivers of competitive bidding requirements.

WHEREAS the Purchasing Policy of The Ohio State University, adopted by the Board of Trustees on September 7, 1984, provides that the President and/or the Vice President for Business and Administration may grant a waiver from competitive bidding in the event of an emergency, when a sufficient economic reason exist, or when the goods or services can be purchased from only a single source, with a report on such waivers to be made quarterly to this Board; and

WHEREAS the Acting Vice President for Business and Administration has submitted a report on waivers of competitive bidding requirements granted for the period of July - September 1990, and the Fiscal Affairs Committee recommends the acceptance of this report:

NOW THEREFORE

BE IT RESOLVED, That the report on waivers of competitive bidding requirements for the period of July - September 1990, is hereby accepted.

Upon motion of Amb. Wolf, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 91-61

Synopsis: The Fiscal Affairs Committee recommended the approval of the research contracts, grants, and gifts and the summary for September 1990.

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, The Ohio State University Development Fund, and The Ohio State University Foundation.

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, The Ohio State University Development Fund, and The Ohio State University Foundation during the month of September 1990 be approved.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### SUMMARY FOR SEPTEMBER 1990

#### Background

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	119	\$10,899,841.13
Engineering Experiment Station	10	\$ 443,927.00
Total	129	\$11,343,768.13

#### The Ohio State University Development Fund

##### Establishment of Named Funds

The Crisafi-Monte Endowment Fund (Support teaching, research, and scholarships in diseases of the heart, lung and related disorders)	\$ 518,381.32
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The BancOhio National Bank Scholarship Endowment Fund (Scholarships - College of Business)	\$ 50,000.00
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The Chester G. and Lorena C. Hawley Athletic Endowment Fund (Grant-in-aid for student athletes participating in the men's and women's varsity golf programs)	\$ 47,000.00
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The Ohio Staters, Inc. Founders Endowment Fund (Support communications with the Ohio Staters, Inc. alumni and support selected programs)	\$ 15,080.00
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The Lilyan B. Bradshaw Scholarship Fund (Scholarships to students who are American citizens in the College of Engineering)	\$ 15,000.00
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##### Change in Description of Named Funds

The Robert Bartels Fellowship in Marketing Fund  
The Robert Bartels Fellowship for Master of Business Administration Fund  
The Robert Bartels Graduate Fellowship in Business Fund  
The Robert Bartels Graduate Fellowship in International Business Fund  
The Robert Bartels Scholarship Fund for Study Abroad

#### The Ohio State University Foundation

##### Change in Name of Fund

From: The Robert K. Fox Professorship in Chemistry Fund  
To: The Robert K. Fox Professorship in Chemistry



November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - September 1990

#### Federal Research Contracts/Grants

\$1,163,781.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Stress: Impact on the Immune-Endocrine Axis and Health, Department of Microbiology and Immunology (M. R. Glaser), 1 September 1990 through 31 August 1991. (Project 767005 - Continuation)

\$951,213.00 - Department of Health and Human Services, National Institute of Neurological Disorders and Stroke, Bethesda, Maryland, Spinal Cord Injury Research Center, Department of Surgery (B. T. Stokes), 1 September 1990 through 31 August 1991. (Project 763358 - Continuation)

\$621,630.00 - Department of Health and Human Services, Bureau of Maternal and Child Health and Resources Development, Rockville, Maryland, Mental Retardation Training, Nisonger Center (E. G. Handler), 1 July 1990 through 30 June 1991. (Project 767710 - Continuation)

\$600,510.00 - Department of Health and Human Services, Health Resources and Services Administration, Rockville, Maryland, East Central Regional AIDS Education and Training Center, Department of Family Medicine (L. L. Gabel), 1 September 1990 through 31 May 1991. (Project 766345 - Continuation)

\$356,024.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., A Video Mediated Curriculum for Parent-Child Social and Communicative Development, Nisonger Center (J. MacDonald), 1 October 1990 through 30 September 1993. (Project 768443 - New)

\$344,695.00 - Department of Health and Human Services, National Heart, Lung, and Blood Institute, Bethesda, Maryland, Lay-Led Smoking Cessation Approach for Southeast Asian Men, Department of Preventive Medicine (M. S. C. Chen and M. L. Moeschberger), Department of Family Medicine (R. M. Guthrie), and Department of Life Span Process (M. E. Wewers), 1 September 1990 through 31 August 1991. (Project 768571 - New)

\$260,120.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Personality, Psychological Stress, and Immunocompetence, Department of Microbiology and Immunology (M. R. Glaser and W. P. Lafuse), Department of Psychiatry (J. Kiecolt-Glaser), and Oral Biology (J. F. Sheridan), 1 September 1990 through 31 August 1991. (Project 764961 - Continuation)

\$245,549.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Effects of Nurse Case Managed Home Care for HIV Patients, Department of Family and Community Nursing (J. T. Nickell), 1 September 1990 through 31 August 1991. (Project 767873 - Continuation)

\$169,662.00 - National Aeronautics and Space Administration, Washington, D.C., Microwave Observations of Polar Ice, Byrd Polar Research Center (K. C. Jezek), 1 April 1990 through 31 December 1990. (Project 768164 - Continuation)

November 2, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Federal Research Contracts/Grants (contd)**

\$158,462.00 - Department of Health and Human Services, Health Resources and Services Administration, Rockville, Maryland, Model Education Program in Ambulatory Chronic Care, Department of Internal Medicine (E. L. Mazzaferri), School of Allied Medical Professions (S. L. Wilson), and Nursing Administration (C. A. Anderson), 1 October 1990 through 30 September 1991. (Project 768593 - New)

\$156,000.00 - National Science Foundation, Washington, D.C., Doped Glassy Carbon (DGC) Materials: Their Synthesis and Investigation of Their Properties, Department of Chemistry (M. R. Callstrom and R. L. McCreery), 1 September 1990 through 31 August 1991. (Project 768614 - New)

\$154,770.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Early Integration Training Project: Providing Training to Child Care Staff to Promote the Integration of Young Children with Disabilities, Education Administration and Department of Educational Services and Research (L. Magliocca), 1 September 1990 through 31 August 1991. (Project 767808 - Continuation)

\$150,454.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, HIV-1 and B Cell Lymphokines: Role and Effects, Department of Internal Medicine (D. Benjamin), 1 September 1990 through 31 July 1991. (Project 768622 - New)

\$150,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Generation of Transgenic Cassava Having Reduced Cyanide Toxicity, Department of Plant Biology and Department of Biochemistry (R. T. Sayre), 29 August 1990 through 30 October 1993. (Project 768576 - New)

\$150,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Control of Scarlet Mite on Tea Using Mass Reared Predaceous Mites, Department of Entomology (D. L. Wrensch and J. D. Briggs), 28 August 1990 through 30 October 1993. (Project 768631 - New)

\$149,997.00 - Department of Agriculture, Science and Education, Washington, D.C., Winter Dysentery in Cows: Etiology and Analysis of Coronaviruses from Outbreaks, Food Animal Health Research Program - OARDC (L. J. Saif), 1 September 1990 through 31 August 1993. (Project 768559 - New)

\$149,947.00 - Department of Agriculture, Science and Education, Washington, D.C., Transmission of Bovine Viral Diarrhea Virus from Persistently-Infected Embryo Transfer Donors, Food Animal Health Research Program - OARDC (K. V. Brock), 1 September 1990 through 31 August 1993. (Project 768469 - New)

\$138,254.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Brain Development in Schizophrenics and Their Siblings, Department of Psychiatry (S. C. Olson), 1 September 1990 through 31 August 1991. (Project 767013 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$137,776.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, The Value of Glyco- lipids for Classifying Astrocytomas, Department of Pathology (A. J. Yates), 1 September 1990 through 31 August 1991. (Project 767769 - Continuation)

\$134,869.00 - National Science Foundation, Washington, D.C., Estimation of Linear and Saturated Synchronous Machine Parameters, Department of Electrical Engineering (A. Keyhani), 1 September 1990 through 31 August 1992. (Project 768573 - New)

\$134,000.00 - National Foundation on the Arts and Humanities, National Endowment for the Humanities, Washington, D.C., American Fiction, 1901-1925: A Contribution Toward a Bibliography, University Libraries (G. D. Smith), 1 September 1990 through 31 August 1992. (Project 768570 - New)

\$131,732.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, Regulation of Gene Expression in the Developing Retina, Biotechnology Program and College of Pharmacy (A. P. Young), 1 August 1990 through 31 July 1991. (Project 767898 - Continuation)

\$122,382.00 - Department of Agriculture, Science and Education, Washington, D.C., Nucleic Acid Probes for the Diagnosis of Transmissible Gastroenteritis Virus, Food Animal Health Research Program - OARDC (D. J. Jackwood and L. J. Saif), 1 September 1990 through 31 August 1993. (Project 768532 - New)

\$112,279.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Pharmacology of Dideoxynucleosides in Small Intestinal Epithelium, College of Pharmacy (J. L. Au), 1 August 1990 through 31 July 1991. (Project 767895 - Continuation)

\$106,888.00 - Department of Health and Human Services, National Institute on Deafness and Other Communication Disorders, Bethesda, Maryland, Gustatory Afferent Organization in the Solitary Nucleus, Oral Biology (S. P. Travers), 1 September 1990 through 31 August 1991. (Project 765694 - Continuation)

\$105,509.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Conformational Peptides to Probe Immune Responses, Department of Obstetrics and Gynecology (P. T. Kaumaya), 1 September 1990 through 31 August 1991. (Project 767913 - Continuation)

\$100,000.00 - Department of Agriculture, Science and Education, Washington, D.C., A Possible Mechanism for the Regulation of Gas Diffusion in Legume Nodules, Department of Agronomy - OARDC (J. G. Streeter), 1 September 1990 through 31 August 1992. (Project 767814 - Continuation)

\$100,000.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Retention-Based Student Support Services Program, Agricultural Technical Institute - Administrative Support (D. D. Garrison), 1 September 1990 through 31 August 1991. (Project 768587 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$98,408.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Couples' Communication, Relationships, and Hysterectomy, Department of Life Span Process (L. A. Bernhard), 15 September 1990 through 14 September 1992. (Project 768624 - New)

\$93,713.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Rural Homelessness in Ohio: A Five-Year Replication Study, College of Social Work (B. Toomey and R. J. First), 1 September 1990 through 31 August 1991. (Project 767819 - Continuation)

\$93,246.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Gastrointestinal Function: Serotonergic Control, Department of Physiology (R. L. Stephens, Jr.), 1 September 1990 through 31 August 1991. (Project 768566 - New)

\$89,022.00 - Department of Education, Office of Special Education and Rehabilitation Services, Chicago, Illinois, Training Grant in Physical Medicine and Rehabilitation, Department of Physical Medicine (P. E. Kaplan, E. W. Johnson, and B. L. Bowyer), 1 October 1990 through 30 September 1991. (Project 767118 - Continuation)

\$86,243.00 - Department of Education, Office of Educational Research and Improvement, Washington, D.C., Retooling Introductory University Physics for the 21st Century, Marion Campus and Department of Physics (G. J. Aubrecht), 1 August 1990 through 31 July 1991. (Project 768592 - New)

\$81,972.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, Fracture Properties of Dental Ceramics, Restorative and Prosthetic Dentistry (S. F. Rosenstiel), 29 September 1990 through 28 September 1991. (Project 767886 - Continuation)

\$79,465.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Occupational Therapy Specialty Training for Services in Early Childhood Programs, School of Allied Medical Professions (H. K. Grant) and Nisonger Center (J. Case-Smith), 1 October 1990 through 30 September 1991. (Project 768588 - New)

\$78,846.00 - National Science Foundation, Washington, D.C., Connection of Schools to the Ohio Academic Resources Network and the National Science Foundation Network, Ohio Supercomputer Center (A. A. Brown and C. F. Bender), 1 September 1990 through 31 August 1991. (Project 768599 - New)

\$76,572.00 - National Science Foundation, Washington, D.C., Optimal Design of Large-Scaled Structures with Multianalysis-Type Constraints, Department of Civil Engineering (O. G. McGee), 30 August 1990 through 31 March 1993. (Project 767449 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$73,500.00 - Department of Health and Human Services, National Institute on Alcohol Abuse and Alcoholism, Rockville, Maryland, Effects of Alcohol on the Expression of GABA/BZ Receptor mRNA, Department of Pharmacology (A. Rotter) and Department of Cellular Biology, Neurobiology, and Anatomy and Biotechnology Program (J. Masters), 28 September 1990 through 31 August 1991. (Project 768638 - New)

\$55,080.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Cancer Education Program, Department of Surgery (W. B. Farrar) and Medicine Administration (C. B. Meleca), 1 September 1990 through 31 August 1991. (Project 767942 - Continuation)

\$53,655.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Research Training Program in Psychoneuroimmunology, Department of Microbiology and Immunology (M. R. Glaser), 1 September 1990 through 30 June 1991. (Project 766200 - Continuation)

\$52,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Role of Carbon and Nitrogen Partitioning in Tolerance to Moisture Stress in Soybean, Department of Agronomy - OARDC (B. A. McBlain and D. L. Jeffers), 1 September 1990 through 31 August 1991. (Project 768636 - Continuation)

\$50,000.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Electrical Conductivity of Ion Implanted Ladder and Semi-Ladder Polymers, Department of Physics (A. J. Epstein), 1 September 1990 through 31 August 1991. (Project 768616 - New)

\$44,883.00 - National Science Foundation, Washington, D.C., Pines, Planning, and People: A Longitudinal Study of Social and Cultural Change in Rural Venezuela, Department of Agricultural Economics and Rural Sociology (J. Havlicek), 1 July 1990 through 31 August 1991. (Project 768392 - New)

\$44,154.00 - Department of Energy, Argonne, Illinois, Theoretical Studies of Dynamics and Correlations in Heavy Electron Materials, Department of Physics (D. L. Cox), 1 November 1990 through 14 February 1991. (Project 766287 - Continuation)

\$32,900.00 - Environmental Protection Agency, Washington, D.C., Bacterial Degradation Under Anaerobic Conditions of KPEG-Modified Polychlorinated Biphenyls, Department of Microbiology (J. A. Krzycki), 1 October 1990 through 30 September 1991. (Project 767833 - Continuation)

\$29,250.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Humoral Factors and Cancer-Associated Hypercalcemia, Department of Veterinary Pathobiology (C. C. Capen), 1 October 1990 through 30 September 1991. (Project 767855 - Continuation)

\$28,279.00 - Department of Health and Human Services, National Institute of Mental Health, Rockville, Maryland, Small Instrumentation Program, Medicine Administration (D. G. Cornwell) and Biological Sciences Administration (G. L. Floyd), 15 September 1990 through 31 August 1991. (Project 768621 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$25,000.00 - Department of Health and Human Services, Office of Human Development Services, Washington, D.C., Child Welfare Traineeships, College of Social Work (K. J. Harper), 1 September 1990 through 31 August 1991. (Project 768578 - New)

\$24,995.00 - Department of Health and Human Services, Health Resources and Services Administration, Rockville, Maryland, Collection Analysis and Reporting of Regional AIDS Education and Training Center Data, Department of Family Medicine (L. L. Gabel), 15 September 1990 through 14 September 1991. (Project 768609 - New)

\$19,545.00 - National Science Foundation, Washington, D.C., Exploratory Research for U.S.-U.S.S.R. Cooperation in Ice Core Research in the Tien-Shan and Pamir Ranges, Byrd Polar Research Center (L. G. Thompson and E. Mosley-Thompson), 15 August 1990 through 31 July 1991. (Project 768584 - New)

\$15,000.00 - Department of Health and Human Services, National Institute of Dental Research, Bethesda, Maryland, International Conference: Biological Mechanisms of Tooth Movement and Craniofacial Adaptation, Orthodontics (Z. Davidovitch), 1 September 1990 through 31 August 1991. (Project 768568 - New)

\$12,500.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Aging and Diabetes: Coping with Chronic Illness, Department of Life Span Process (E. M. Burns), 1 September 1990 through 31 August 1991. (Project 767664 - Continuation)

\$12,500.00 - Department of Health and Human Services, National Center for Nursing Research, Bethesda, Maryland, Processes of Change in Smoking Cessation, Department of Life Span Process (M. E. Wewers), 1 September 1990 through 31 August 1991. (Project 767831 - Continuation)

\$6,000.00 - Department of Agriculture, Forest Service, Riverside, California, Ethnicity and the Individual's Relationship to the Forest: A Psychological Perspective, School of Natural Resources and Department of Natural Resources - OARDC (J. L. Heywood and G. W. Mullins), 6 September 1990 through 30 June 1991. (Project 768574 - New)

\$6,000.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Autumn Immunology Conference, Department of Surgery (C. G. Orosz), 1 September 1990 through 31 August 1991. (Project 768572 - New)

\$4,992.00 - Department of Education, Office of Educational Research and Improvement, Washington, D.C., Interfacing Postsecondary Education and the Workforce: A Model, Department of Agricultural Education (L. E. Miller), 1 September 1990 through 28 February 1991. (Project 768575 - New)

\$4,079.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Statistical Analysis of VASCAR, Department of Statistics (T. J. Santner), 30 July 1990 through 31 December 1991. (Project 768607 - New)

November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Federal Research Contracts/Grants (contd)

\$2,459.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, The Ohio State University Advanced Glaucoma Intervention Study, Department of Ophthalmology (P. A. Weber), 1 September 1990 through 31 August 1991. (Project 766355 - Continuation)

\$1,364.00 - Department of Agriculture, Science and Education, Peoria, Illinois, Cooperative Agricultural Research, Department of Entomology - OARDC (R. E. Treece) and Office of the Director - OARDC (R. F. Edwards), 1 October 1989 through 30 September 1990. (Project 766472 - Continuation)

\$352.00 - Department of Agriculture, Science and Education, Peoria, Illinois, Cooperative Agricultural Research, Office of the Director - OARDC (N. D. Schmidt and R. F. Edwards), 1 October 1989 through 30 September 1990. (Project 766472 - Continuation)

TOTAL - FEDERAL AWARDS -

\$ 8,632,477.00

#### State of Ohio Research Contracts/Grants

\$60,181.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Program Evaluation of the State Interdepartmental Cluster's System of Care Initiative, College of Social Work (E. Segal), 1 August 1990 through 30 June 1991. (Project 768630 - New)

\$50,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Electrostatic Application of Pesticides, Department of Entomology - OARDC (F. R. Hall), 1 April 1990 through 31 March 1991. (Project 768311 - New)

\$45,646.00 - State of Ohio, Department of Development, Columbus, Ohio, The Commercial Motor Vehicle Safety Act of 1986: A Labor and Management Response, Academic Faculty of Labor Education and Research Services (C. J. Stanicka), 1 May 1990 through 30 June 1991. (Project 768258 - New)

\$17,600.00 - State of Ohio, Department of Health, Columbus, Ohio, Hemophilia/AIDS/HIV Infection Prevention, Department of Internal Medicine (S. P. Balcerzak), 1 July 1990 through 30 June 1991. (Project 767778 - Continuation)

\$5,770.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Operating Support, Wexner Center for the Visual Arts - Administration (R. Stearns), 1 July 1990 through 30 June 1991. (Project 768538 - New)

\$3,500.00 - State of Ohio, Ohio Humanities Council, Columbus, Ohio, From Ohio to Classical Greece: Ohio State University Isthmia Excavations Archaeological Outreach Program, Department of History (T. E. Gregory), 16 June 1990 through 30 April 1991. (Project 768589 - New)

\$3,310.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, The Journal: The Literary Magazine of The Ohio State University, Department of English (D. J. Citino), 1 October 1990 through 30 June 1991. (Project 768533 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants (contd)**

\$3,000.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Jerome Lawrence Residency, Department of Theatre (A. L. Woods), 1 September 1990 through 31 January 1991. (Project 768608 - New)

**TOTAL - STATE OF OHIO AWARDS** **\$ 189,007.00**

**Industrial Research Contracts/Grants**

\$304,234.00 - Organon, Inc., West Orange, New Jersey, An Ultrasound Study of Ovarian Cyst Activity Comparing Orho Novum 1/35 or CTR-05 Versus a Concurrent Untreated Control, Department of Pharmacology (N. Gerber and G. Apseloff), 1 June 1990 through 31 May 1991. (Project 767548 - Continuation)

\$274,100.00 - E. I. DuPont de Nemours and Company, Inc., Wilmington, Delaware, Comparison of the Efficacy and Safety of Moricizine and Procainamide in Patients with Life Threatening Arrhythmias, College of Pharmacy (J. D. Coyle), 1 August 1990 through 31 January 1992. (Project 768581 - New)

\$121,916.00 - Pfizer, Inc., Groton, Connecticut, Phase I, Multiple Dose, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Pharmacokinetics of Oral CP-88,059-1-002 in Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 August 1990 through 31 July 1991. (Project 768545 - New)

\$119,076.00 - CIBA-GEIGY Corporation, Summit, New Jersey, Multiple Oral Dose Safety Study of CGS-18102A-02 in Healthy, Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 July 1990 through 30 June 1991. (Project 768556 - New)

\$81,538.00 - Wetlands Research, Inc., Chicago, Illinois, Research Program at Des Plaines River Wetland Demonstration Project, School of Natural Resources (W. J. Mitsch), 1 June 1990 through 31 March 1991. (Project 768285 - New)

\$67,880.00 - Glucona v.o.f., Deventer, The Netherlands, Fortification of Selected Food Products with Calcium Gluconate, Department of Food Science and Technology - OARDC and Department of Food Science and Technology (P. M. T. Hansen), 1 September 1990 through 31 August 1991. (Project 768596 - New)

\$15,000.00 - Edison Materials Technology Center, Kettering, Ohio, Advanced Composite Survey, Department of Civil Engineering (R. L. Sierakowski), 1 September 1990 through 1 June 1991. (Project 768577 - New)

\$5,000.00 - Bivona, Inc., Gary, Indiana, Anesthesia Machine Contamination, Department of Anesthesiology (J. H. Brooks), 1 July 1990 through 30 June 1991. (Project 768597 - New)

\$4,923.00 - Sandoz, Inc., East Hanover, New Jersey, An Open-Label, Multicenter Study to Determine the Safety and Efficiency of Chronic Sandostatin Therapy in Acromegalic Patients, Department of Internal Medicine (W. B. Malarkey), 18 December 1989 through 31 December 1991. (Project 768123 - Continuation)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$4,200.00 - Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, An Extension of the Model Test Program on the Gas Turbine Air Intake Systems for the DDG51 Main Propulsion Gas Turbine Modules, Department of Aeronautical and Astronautical Engineering (R. J. Freuler), 15 June 1990 through 15 July 1990. (Project 768396 - New)

\$2,455.00 - Sandoz, Inc., East Hanover, New Jersey, A Double-Blind, Multicenter Study to Determine the Safety and Efficacy of Chronic Sandostatin Treatment in Acromegalic Patients, Department of Internal Medicine (W. B. Malarkey) 1 March 1989 through 30 November 1990. (Project 767693 - Continuation)

\$143.01 - Molecular Biosystems, Inc., San Diego, California, Efficacy and Safety Study of Intravenous Albunex Injections for Enhancing Image Contrast in Echocardiography in the Right Ventricle, Department of Internal Medicine (A. C. Pearson), 1 February 1990 through 31 January 1991. (Project 768141 - Continuation)

Equipment - Digital Equipment Corporation, Maynard, Massachusetts, A General Purpose Workflow Control System for a Health Care Distributed Processing Environment, Division of Hospital and Health Services Administration (L. Bain), 25 July 1990 through 25 July 1992. (Project 768567 - New) (Approximate Dollar Value - \$300,000)

**TOTAL - INDUSTRIAL AWARDS**

**\$ 1,000,465.01**

**Other Non-Federal Research Contracts/Grants**

\$130,000.00 - Riverside Research Institute, New York, New York, Compact Range Analysis Research, ElectroScience Laboratory, Department of Electrical Engineering (W. D. Burnside and I. J. Gupta), 1 August 1990 through 30 September 1991. (Project 768565 - New)

\$105,238.00 - Purdue University, West Lafayette, Indiana, High-Temperature Superconductor Composites/Films, Department of Physics (J. C. Garland), 24 July 1990 through 23 July 1991. (Project 768591 - New)

\$97,888.00 - University of Texas, Galveston, Texas, Studies of Mechanism and Therapy of Human Immunodeficiency Virus (HIV) Cytotoxicity, Department of Veterinary Pathobiology (J. L. Rojko), 1 September 1990 through 31 August 1991. (Project 766650 - Continuation)

\$57,085.00 - Smokeless Tobacco Research Council, Inc., New York, New York, Effect of Smokeless Tobacco on the Postnatal Development of the Mouse and Rat, Oral Biology (R. B. Paulson), 1 January 1991 through 31 December 1991. (Project 767102 - Continuation)

\$56,786.00 - Partners for International Education and Training, Washington, D.C., Leadership Development Program in Competency-Based Vocational-Technical Education for Chilean Interns, Center on Education and Training for Employment (R. D. Ryan), 1 September 1990 through 31 May 1991. (Project 768583 - New)

\$55,000.00 - Purdue University, West Lafayette, Indiana, Experimental Study of Electron Transport in High-Temperature Superconductor Films, Department of Physics (T. R. Lemberger), 24 July 1990 through 23 July 1991. (Project 768590 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$55,000.00 - Purdue University, West Lafayette, Indiana, Dynamical Properties of Josephson-Coupled Systems: Application to High-Temperature Superconductors, Department of Physics (D. G. Stroud), 24 July 1990 through 23 July 1991. (Project 768586 - New)

\$52,500.00 - The Rockefeller Foundation, New York, New York, Long-Term Agronomic Research - Phase I, Department of Agronomy - OARDC and Department of Agronomy (R. Lal), 1 September 1990 through 31 August 1991. (Project 768605 - New)

\$50,000.00 - The Juvenile Diabetes Foundation International, New York, New York, Effect of Diabetes on Messenger RNA Metabolism, Department of Physiological Chemistry (D. E. Schumm), 1 September 1990 through 31 August 1991. (Project 767801 - Continuation)

\$44,072.00 - The Juvenile Diabetes Foundation International, New York, New York, Assessment of the Mechanisms that Regulate Glomerular Mesangial Fibronectin Accumulation, Department of Internal Medicine (F. G. Cosio), 1 September 1990 through 31 August 1991. (Project 767671 - Continuation)

\$40,822.00 - Grayson-Jockey Club Research Foundation, Inc., Lexington, Kentucky, The Seroprevalence of Antibodies to the H1 and H2 Serotypes of Equine Rotavirus in Mares and Foals and an Analysis of Their Passive Transfer, Food Animal Health Research Program - OARDC (L. J. Saif), 1 September 1990 through 31 August 1991. (Project 768554 - New)

\$29,000.00 - John M. Olin Foundation, Inc., New York, New York, The Ohio State Program in Military History and Strategic Studies, Department of History (W. Murray), 1 August 1990 through 31 July 1991. (Project 768594 - New)

\$26,000.00 - Nine Members of the National Entrepreneurship Education Consortium, National Entrepreneurship Education Consortium, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768452 - Continuation)

\$25,000.00 - The Carnegie Museum of Natural History, Pittsburgh, Pennsylvania, Inventory and Comparative Analysis of the Skeletal Remains from the Carnegie Museum of Natural History, Department of Anthropology (P. W. Sciulli), 21 September 1990 through 30 July 1992. (Project 768623 - New)

\$25,000.00 - Parkinson's Disease Foundation, New York, New York, MPTP-Induced Degeneration of Dopaminergic Nigrostriatal Neurons and Recovery of Function, Department of Psychiatry and Department of Pharmacology (M. H. Neff) and Department of Pharmacology (N. H. Neff), 1 September 1990 through 31 August 1991. (Project 768582 - New)

\$24,141.00 - The National Collegiate Athletic Association, Overland Park, Kansas, The Effects of Hassles and Uplifts on Selected Health and Performance Factors in Collegiate Athletes, School of Health, Physical Education, and Recreation (B. Nelson), 15 August 1990 through 14 August 1991. (Project 768595 - New)

\$20,000.00 - Maharishi Ayurveda Foundation, Lancaster, Massachusetts, Research on Natural Products and the Study of Effects of Sound and Light, Department of Pathology (H. M. Sharma), 15 June 1990 through 14 June 1991. (Project 768362 - Continuation)

November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Other Non-Federal Research Contracts/Grants (contd)

\$18,000.00 - The National Collegiate Athletic Association, Overland Park, Kansas, The Effects of Life Stress, Coping Resources, and Personality on Injury, Illness, and Academic Difficulty in Collegiate Athletes, Department of Psychology (R. Russell), 1 September 1990 through 31 August 1991. (Project 768626 - New)

\$17,500.00 - Eight Members of the National Alliance of Community and Technical Colleges, National Alliance of Community and Technical Colleges, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768414 - Continuation)

\$17,321.00 - General Electric Foundation, Fairfield, Connecticut, Graduate Fellowship in Psychology, Department of Psychology (J. C. Naylor), 1 September 1990 through 30 June 1991. (Project 768602 - New)

\$14,000.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, United States Air Force Graduate Fellowship, Department of Electrical Engineering (S. Yurkovich and J. M. Watkins), 1 September 1990 through 31 December 1990. (Project 768562 - New)

\$13,996.00 - Texas A & M University, College Station, Texas, Mineralogy of Eolian Sediments from the Ontong-Java Plateau, Department of Geology and Mineralogy (L. Krissek), 1 August 1990 through 31 December 1991. (Project 768629 - New)

\$13,663.00 - The Pennsylvania State University, Hershey, Pennsylvania, Hormone Stimulation Plus Chemotherapy in Advanced Breast and Prostate Cancer, Department of Surgery (J. R. Drago), 1 July 1990 through 30 June 1991. (Project 767956 - Continuation)

\$12,000.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, United States Air Force Graduate Fellowship, Department of Electrical Engineering (R. Moses and W. M. Steedly), 1 September 1990 through 31 December 1990. (Project 768569 - New)

\$10,000.00 - American Diabetes Association, Ohio Affiliate, Inc., Worthington, Ohio, Diabetic Neuropathy: An In Vitro Approach, College of Pharmacy (D. B. McKay), 1 September 1990 through 31 August 1991. (Project 768579 - New)

\$10,000.00 - Dartmouth College, Hanover, New Hampshire, GEOSAT Radar Altimetry Data Processing, Byrd Polar Research Center (K. C. Jezek), 1 December 1989 through 30 November 1990. (Project 768601 - New)

\$8,796.00 - Ohio University, Athens, Ohio, On-Site Instruction for Vocational Agriculture Instructors in the Southeast Region, Department of Agricultural Education (R. K. Barrick), 1 July 1990 through 30 June 1991. (Project 767080 - Continuation)

\$8,672.00 - Delta Phi Epsilon, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (L. E. Fitzgerald), 1 September 1990 through 30 June 1991. (Project 768600 - New)

\$8,000.00 - Children's Hospital Research Foundation, Columbus, Ohio, Sulfonylurea Effects on Metabolism and Growth in Cystic Fibrosis, Department of Internal Medicine (T. M. O'Dorisio), 1 March 1990 through 28 February 1991. (Project 768615 - Continuation)

November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

#### Other Non-Federal Research Contracts/Grants (contd)

\$7,000.00 - University of Texas, Houston, Texas, Evaluation of Home Uterine Contraction Monitoring in Evaluation of High Risk Pregnancies, Department of Obstetrics and Gynecology (J. D. Iams), 1 December 1988 through 30 November 1990. (Project 766646 - Continuation)

\$6,500.00 - The Fred C. Gloeckner Foundation, Inc., New York, New York, Identification of a Virus-Like Agent Associated with Line Pattern/Ring Pattern in Geranium and Improvement of Virus Detection in Geranium Using Double-Stranded RNA Analysis, Department of Plant Pathology - OARDC and Department of Plant Pathology (S. T. Nameth), 1 September 1990 through 28 February 1992. (Project 768558 - New)

\$6,000.00 - State Department of Education, Concord, New Hampshire and State Department of Elementary and Secondary Education, Jefferson City, Missouri, National Consortium of State Career Guidance Supervisors, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768406 - Continuation)

\$5,000.00 - Future Farmers of America, Alexandria, Virginia, An Examination of Middle School Enrollment in the Future Farmers of America, Department of Agricultural Education (R. Rossetti), 1 August 1990 through 31 July 1991. (Project 768610 - New)

\$3,655.00 - Morris Animal Foundation, Englewood, Colorado, Opioid Messenger Function in Neuromodulation of Equine Intestinal Motility: Role of Met-Enkephalin in the Carbohydrate Induced Laminitis Model, Department of Veterinary Anatomy and Cellular Biology (J. Mast), 1 September 1990 through 31 August 1991. (Project 767912 - Continuation)

\$2,000.00 - Lighting Research Institute, New York, New York, Interim Funding Support, Department of Zoology, Department of Biochemistry, and Department of Microbiology (C. Ingling, Jr.), 1 July 1990 through 1 September 1990. (Project 768612 - New)

\$1,353.00 - University of Washington, Seattle, Washington, Paleoclimatology of the Holocene and the Last Interglaciation, Byrd Polar Research Center and Department of Zoology (P. A. Colinvaux) and Byrd Polar Research Center (W. R. Eisner), 1 October 1989 through 28 February 1990. (Project 767877 - Continuation)

\$704.12 - Nebraska Department of Education, Lincoln, Nebraska and Kansas Department of Education, Topeka, Kansas, National Entrepreneurship Education Consortium, Center on Education and Training for Employment (R. D. Ryan), 1 July 1989 through 30 June 1990. (Project 767682 - Continuation)

\$200.00 - Hemophilia Foundation of Michigan, Ann Arbor, Michigan, The Ohio State University Hemophilia Treatment Center, Department of Internal Medicine (S. P. Balcerzak), 1 October 1989 through 30 September 1990. (Project 768137 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS

\$ 1,077,892.12

November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### ENGINEERING EXPERIMENT STATION

#### State Sponsored Research and Development

\$97,667.00 - from Ohio University and the Ohio Coal Consortium, Athens, Ohio, for "Kinetics and Structural Evolution of Sorbents at High Temperatures," under the direction of the department of Chemical Engineering for the period June 1, 1990 through May 31, 1991. (529860)

\$60,759.00 - from Ohio University and the Ohio Coal Consortium, Athens, Ohio, for "Handling, Transport and Dispersion of Sorbent Powder for In-Furnace Injection," under the direction of the department of Chemical Engineering for the period June 1, 1990 through May 31, 1991. (529859)

\$50,000.00 - from the Edison Program, Columbus, Ohio and Welding Consultants, Columbus, Ohio, for "Development of an Underwater SMAW Electrode for Improved Fatigue Strength Wet Welded Joints," under the direction of the department of Welding Engineering for the period April 1, 1990 through March 31, 1991. (312511)

(\$160.00) - correct error on earlier project authorization for Ohio Department of Transportation's project "Rural Technology Transfer Center," under the direction of the department of Civil Engineering. (529836)

TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT	\$208,266.00
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#### Industry and Other Sponsored Research and Development

\$159,830 additional budget from Lockheed Missiles & Space Company, Sunnyvale, California, for "Range Performance Test and Calibration," under the direction of the department of Electrical Engineering for the period January 1, 1991. (312496, Ext. 1)

\$40,000.00 - from various industry for membership in the Compact Radar Cross Section Measurement Ranges Research and Development Consortium under the direction of the department of Electrical Engineering. (312884)

\$20,831.00 - from Grumman Data Systems Corporation, Woodbury, NY, for "Navigating in Hypertext: A Focus on Hierarchy Topologies in Compound Documents," under the direction of the department of Computer and Information Science for the period June 1, 1990 through December 31, 1990. (312540).

\$10,000.00 - from various industry for Associate Membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$3,000.00 - from industry for one development project in the one research area of the College.

\$2,000.00 - from various industry of Affiliate Membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH	\$235,661.00
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November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

#### Establishment of Named Funds

##### The Crisafi-Monte Endowment Fund

The Crisafi-Monte Endowment Fund was established November 2, 1990, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Clara and Victor Monte and Bertha and Jack Crisafi.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

A minimum of ten percent (10%) of the annual income shall be added to the fund's principal. The remaining annual income shall be used to support teaching, research and scholarships in diseases of the heart, lung and related disorders with particular attention given to individuals in the disciplines of primary care and family medicine.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### The BancOhio National Bank Scholarship Endowment Fund

The BancOhio National Bank Scholarship Endowment Fund was established November 2, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from BancOhio National Bank Corporation.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide scholarships in meaningful amounts for students with substantial academic promise enrolled in the University's College of Business, and scholarship recipients shall be known as "BancOhio Scholars." It is the donor's wish that recipients be selected from among graduates of high schools located within those counties of Ohio in which the donor, or any successor to the donor, conducts retail banking activities. It is the donor's further wish that special consideration be given in the selection process to members of racial minority groups. The University, shall, however, have sole authority to award these scholarships based on the selection of the students by the College's Scholarship Committee subject only to the approval of the Dean of the College of Business and in cooperation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

November 2, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

#### Establishment of Named Funds (contd)

##### The Chester G. and Lorena C. Hawley Athletic Endowment Fund

The Chester G. and Lorena C. Hawley Athletic Endowment Fund was established November 2, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Chester G. and Lorena C. Hawley of Columbus, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide funds for the grant-in-aid (scholarship) costs of student athletes participating in the men's and women's varsity golf programs at The Ohio State University. Selection of the recipients is to be made by the Director of Athletics in cooperation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### The Ohio Staters, Inc. Founders Endowment Fund

The Ohio Staters, Inc. Founders Endowment Fund was established November 2, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Ohio Staters, Inc., Rita Thomas, wife of the late Oscar L. Thomas, and from family and friends of the late James C. B. Handley to commemorate the founding members whose dedicated leadership and exemplary spirit contributed to the tradition of excellent service to the University by Ohio Staters, Inc. since its incorporation on March 2, 1935.

The founding members of Ohio Staters, Inc. were Edward S. "Beanie" Drake; Charles W. Ebersold (B.A. '35, J.D. '38), John B. Fullen (B.S.Jour. '25), Howard L. Hamilton (B.A. '24), James C. B. Handley (B.S.Bus.Adm. '34), Fred J. Milligan (B.A. '28), William F. North (B.S.Bus.Adm. '36), Leo G. Staley (B.S.Ed. '28, M.A. '31), and Oscar L. Thomas (B.A. '26).

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used for any or all of the following:

To support timely and regular communications with the Ohio Staters, Inc. alumni to enhance their continuing interest and participation in Ohio Staters sponsored programs and activities.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Ohio Staters, Inc. Founders Endowment Fund (contd)**

To support selected Ohio State University programs which exemplify the founding principles of Ohio Staters, Inc. and to perpetuate the memory of those persons recognized as founders of the organization.

All expenditures of income shall be approved in advance by the affirmative vote of a majority of the active members of Ohio Staters, Inc.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate University administrator in order to carry out the desire of the donors.

##### **The Lilyan B. Bradshaw Scholarship Fund**

The Lilyan B. Bradshaw Scholarship Fund was established November 2, 1990, with gifts to The Ohio State University Development Fund from Lilyan B. Bradshaw (B.A. '26) of Columbus, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more scholarship awards to undergraduate and/or graduate students who are American citizens and plan to enroll or who are enrolled in the College of Engineering. Scholarship recipients shall be selected by the Dean of the College of Engineering or his/her scholarship committee, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson or program administrative officer in order to carry out the desire of the donor.

#### **Change in Description of Named Funds**

##### **The Robert Bartels Fellowship in Marketing Fund**

The Robert Bartels Fellowship in Marketing Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business. The description was revised November 2, 1990.



November 2, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Change in Description of Named Funds (contd)**

##### **The Robert Bartels Fellowship in Marketing Fund (contd)**

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to award one or more doctoral fellowships in Marketing. The award(s) shall be made for one year, with preference given for the final year of the student's program.

It is understood that in relation to this award, authorization for tuition and fees will be provided. If the award is not made in a given year, the income shall be added to the principal of the endowment.

Selection of the recipient shall be made by the chairperson of the Marketing Faculty, Director of the Ph.D. Program, and chairperson of the Graduate Studies Committee of the College of Business. Awards shall be made only to the highest ranking applicants who have maintained a 3.5 (out of 4.0) G.P.A. in graduate study.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Fellowship for Master of Business Administration Fund**

The Robert Bartels Fellowship for Master of Business Administration Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business. The description was revised November 2, 1990.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide one or more fellowships for Master of Business Administration students.

The award shall be made for one year and it is understood that in relation to this award, authorization for tuition and fees will be provided. If the award is not made in any given year, the income shall be added to the principal of the endowment.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Description of Named Funds (contd)**

**The Robert Bartels Fellowship for Master of  
Business Administration Fund (contd)**

Selection of the award shall be made by the Director of the Master of Business Administration Program and the chairperson of the Graduate Studies Committee, in consultation with the University Committee on Student Financial Aid. Awards shall be made to only to the highest ranking applicants who have maintained a 3.5 (out of 4.0) G.P.A. in undergraduate and/or previous graduate study.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

**The Robert Bartels Graduate Fellowship in Business Fund**

The Robert Bartels Graduate Fellowship in Business Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business. The description was revised November 2, 1990.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to award a fellowship to one or more doctoral students in Marketing, Finance, or Management.

The award shall be made for one year, preferably for the recipient's final year. It is understood that in relation to this award, authorization for tuition and fees will be provided. Should the award not be granted in a given year, the income shall be returned to the principal of the endowment.

Selection of the recipient(s) shall be made by the Director of the Ph.D. Program and the chairperson of the Graduate Studies Committee in the College of Business, in consultation with the University Committee on Student Financial Aid. The award shall be made to the applicant(s) of highest rank. Awards shall be made only to applicants who have maintained a 3.5 (out of 4.0) G.P.A. in graduate study.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Change in Description of Named Funds (contd)**

##### **The Robert Bartels Graduate Fellowship in International Business Fund**

The Robert Bartels Graduate Fellowship in International Business Fund was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business. The description was revised November 2, 1990.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to award a fellowship to one or more doctoral students in International Business. During a year the award is not granted to a student in International Business, it may be awarded to a candidate in Marketing, Finance, or Management.

The award shall be made for one year, preferably for the recipient's final year. It is understood that in relation to this award, authorization for tuition and fees will be provided. In any given year the award is not granted, the income shall be returned to the principal of the endowment.

Selection of the recipient shall be made jointly by the Director of the Ph.D. Program, the chairperson or the Graduate Studies Committee, and head of the International Business Program in the College of Business, in consultation with the University Committee on Student Financial Aid. Awards shall be made only to applicants who have maintained a 3.5 (out of 4.0) G.P.A. in graduate study.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Robert Bartels Scholarship Fund for Study Abroad**

The Robert Bartels Scholarship Fund for Study Abroad was established September 7, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Estate of Robert Bartels (B.S.Bus.Adm. '35, Ph.D. '41), Professor Emeritus in the Academic Faculty of Marketing, College of Business. The description was being revised November 2, 1990.

All gifts are to be invested in the University's Permanent Endowment Fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Description of Named Funds (contd)**

**The Robert Bartels Scholarship Fund for Study Abroad (contd)**

The annual income shall be used to provide one or more scholarships to undergraduate students, preferably in Business, whose major requires or would significantly benefit from study abroad. In the absence of such applicants, awards may be made to students in the Arts, Humanities or Social and Behavioral Sciences who would similarly benefit from such study abroad. The award shall be made for one year and shall not be renewable. It is understood that in relation to this award, authorization for tuition and fees will be provided.

Awards shall be made only to applicants who have maintained a 3.5 (out of 4.0) G.P.A. Should the award not be made in any given year, the income shall be added to the fund's principal.

Selection of the recipient(s) shall be made from applicants for merit scholarships to study abroad by an appropriate University Committee, such as the Fulbright selection committee, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

**THE OHIO STATE UNIVERSITY FOUNDATION**

**Name Change**

**The Robert K. Fox Professorship in Chemistry**

The Robert K. Fox Professorship in Chemistry Fund was established August 23, 1989, by the Board of Trustees of The Ohio State University Foundation, which has established an endowed professorship with gifts designated for The Ohio State University College of Mathematical and Physical Sciences. The name was changed November 2, 1990.

Income provided by the Foundation shall be used to enhance the salary and support the work of the Robert K. Fox Professor of Chemistry.

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**REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-62

Synopsis: The Fiscal Committee recommended the approval of request for construction bids for the Doan Hall - 1 Center Renovation.

November 2, 1990 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS (contd)**

WHEREAS authorization to request construction bids for the project identified above is recommended; and

WHEREAS this project was recommended by The Ohio State University Hospitals Board at its meeting on October 18, 1990:

NOW THEREFORE

BE IT RESOLVED That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received to award contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXXI for background material, page 581.)

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-63

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808**

Synopsis: The Fiscal Affairs Committee recommended the approval of employment of architects/engineers and request for construction bids for the Pediatric Education Facility, Thurber Center for Literary Arts, and Franklin Park Conservatory Improvements.

WHEREAS authorization to employ architects/engineers and request construction bids for the projects identified above is recommended.

NOW THEREFORE

BE IT RESOLVED That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for these projects and that the fees for these services be negotiated between the firm selected and the University or the State of Ohio, as appropriate; and

BE IT FURTHER RESOLVED That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University and State of Ohio procedures, and if satisfactory bids are received, to recommend the award of contracts to the Department of Administrative Services, Division of Public Works, or to award contracts, with all actions to be reported to this Board at the appropriate time.

November 2, 1990 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808 (contd)**

Upon motion of Amb. Wolf, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXXII for background material, page 583.)

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**NON-MANDATORY TRANSFER FROM CURRENT FUNDS  
FISCAL YEAR 1989-90**

Resolution No. 91-64

Synopsis: The Fiscal Affairs Committee recommended transfers to Endowment Principal Funds, Loan Funds, Annuity and Life Income Funds, Unexpended Plant Funds, Renewal and Replacement Funds - Remodeling and Renovation, Renewal and Replacements Funds - Repair and Replacement, Retirement of Indebtedness Funds and Investment in Plant Funds are being recommended for approval.

WHEREAS non-mandatory transfers from current funds for the fiscal year 1989-90 have been made; and

WHEREAS this accounting procedure is in compliance with the auditor of State that all transfers made among fund groups be reported:

NOW THEREFORE

BE IT RESOLVED, That the transfers as detailed in the accompanying report be accepted and approved.

Upon motion of Amb. Wolf, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXXIII for background material on Non-Mandatory Transfers from Current Funds Fiscal Year 1989-1990, page 585.)

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Mr. Nichols:

Several years ago a resolution on the Hospital Helicopter Consortium was approved by the Board and more recently that organization has undergone some restructuring. I would like to ask Reed Fraley to make a few comments to briefly bring you up to date on that restructuring.

November 2, 1990 meeting, Board of Trustees

Mr. Reed Fraley:

As Mr. Nichols indicated, several years ago the Hospitals became part of the Hospital Consortium of Central Ohio which is responsible for governing and managing Sky Med, the helicopter medical transport program. Initially, there were four other hospitals from the community involved and over the initial 2 1/2 years (1986 to 1989) for various reasons, the other hospitals chose not to continue their involvement.

We have looked at that program from University Hospitals' perspective and felt that it is very crucial in terms of our trauma program and several other outreach activities. We have spent some time looking at how to restructure the organization so there could be continued participation. We are at the point that the restructuring has occurred, and we have been able to work with Children's Hospital so that they will become a member of the Consortium. Together we will manage the Sky Med Program, with the option for other hospitals to join the organization if possible. Since we have a leadership position in the organization of the Consortium and the restructuring of it, we thought that is was appropriate for Gerald Maier, who has the administrative responsibility of that area in the Hospitals, to sit on the governing board and cast the vote on behalf of the University Hospitals in issues of governance that relate to the direction of the Sky Med Program. So we are asking for Mr. Maier to be appointed as a member and soul voter from the University on behalf of the Hospitals.

Amb. Wolf:

What impact on the financial arrangements that the University has -- will this new arrangement --

Mr. Fraley:

This arrangement does not change the financial relationship to the organization at all. What it changes is the governance of the organization. We have had organizations terminate their relationship that have been responsible for the nature of it, but not factually the content of this structure. This structure does not change the functional nor financial relationship, it changes the governance. By Children's willingness to rejoin the organization it gives an opportunity for other hospitals to join the Consortium.

#### **TRUSTEE FOR THE HOSPITAL HELICOPTER CONSORTIUM**

Resolution No. 91-65

Synopsis: The Fiscal Affairs Committee recommended the approval for a designated University employee to serve as a Trustee of the Board of Trustees of the Hospital Helicopter Consortium of Central Ohio.

WHEREAS the Board of Trustees of The Ohio State University in Resolution 88-55 authorized and directed the appropriate officials of The Ohio State University to take the necessary actions to join the Hospital Helicopter Consortium of Central Ohio; and

November 2, 1990 meeting, Board of Trustees

**TRUSTEE FOR THE HOSPITAL HELICOPTER CONSORTIUM (contd)**

WHEREAS it is in the best interest of the University for a designated employee of the University to serve on the Board of Trustees of this Corporation:

NOW THEREFORE

BE IT RESOLVED, That Gerald J. Maier, Associate Executive Director of The Ohio State University Hospitals or his successor to his University position is hereby designated to serve as a Trustee, (and, if elected, as an officer) of the Hospital Helicopter Consortium of Central Ohio, to represent the interests of The Ohio State University as part of his official responsibility to the University.

Upon motion of Amb. Wolf, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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Mr. Barone:

I wish to announce that The Arthur G. James Cancer Hospital and Research Institute has been examined by Medicare and fully approved. I am very happy to report that all patients and research in the Hospital will be taken care of by Medicare.

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Mrs. Bowser:

I would like to call on Mr. Roy Nichols, Executive Director of the Christian Civil Liberties Union, has requested to address the Board.

Mr. Roy Nichols:

Thank you, Madam Chairperson. I was here last month with State Senator Gary Suhadolnik, and want to echo and add my support to the concerns he raised concerning the funding of the Gay and Lesbian Liaison Office here at the University. We understand that there is \$64,000 in funds and at the meeting last month learned that it is partially from students' fees and partially from other revenue sources. In addition to taxpayers, there are also students who are concerned with the use of those monies for that purpose.

The concerns are that the office will not be utilized in a way that would encourage those who are caught up in a pathological or addictive behavior to find a recovery route from that. But rather, to condone and encourage people to believe that there is nothing abnormal about deviant behavior and that the problem is with the other guy. Our concern is, also, that the Civil Rights laws were never intended to protect behavior-based groups. We don't normally set up liaison offices to address other types of socially unacceptable behavior, especially not unless it is aimed toward recovery, such as for drug addicts.



Mr. Nichols: (contd)

We have had some correspondence on the issue. Last month at the meeting there were a couple of remarks made by the Provost, which I would like to address. They indicated that, in part, the University has made its decision based upon some false premises. He made the statement that 10 percent of the population falls into this category and was quoted in the paper as indicating that the estimate would be some 6,000 students.

First of all, that is based upon a frequently misquoted passage in the Kinsey Report of 1948; which indicated that 10 percent of the male population at some point in their life -- over a period of time, between the ages of 16 and 55 -- were a part of that lifestyle. From that, people in the Gay Rights Movement have tried to conclude that at any given point in time, there are 10 percent who are. Secondly, as much more recent research has shown, Dr. Kinsey's estimate was based on very false data because he used a disproportionate number of prisoners, ex-convicts and sex offenders as his population base. Thereby, getting very skewed results. More reliable research has indicated that the real numbers are closer to 1 1/2 percent for men and 1/2 of 1 percent for women at any given point in time.

The statement was also made in the meeting that society has come to accept that gays have rights. Well, if we are talking about the Constitutional rights that are common to all, I don't think that has ever been in dispute. But if we are talking about rights that belong to them as a group, then I think that is completely off base. Society has not recognized that. Every city and state that has had the opportunity for people to vote on that issue on the ballot has rejected it. Only two states have accepted it by Legislation, and one of those is in the process of repealing it.

I don't think that it is accurate -- in fact, the U.S. Supreme Court has indicated clearly that there is no Constitutional right to the practice of that particular lifestyle. That the laws of over half of the states prohibiting such activity are not unconstitutional laws. And, therefore, I think there certainly can be no inference that there is an entitlement of any sort to the benefits of public funds in a manner which will condone or encourage a lifestyle which is very injurious to those who participate in it, as well as injurious to the public health. Our concerns are that it sets a bad precedent to have a behavior-based group given recognition as though they were a minority that is covered and protected by the Civil Rights laws, when that is not, in fact, the case, and when it is very injurious to public policy and public health and even the interest of those participating in the lifestyle to suggest that this is so.

I also have with me a copy of an article which I would like to distribute to the members of the Board. It reviews a book which, in much greater detail, analyses much of the recent research that has been done debunking some of the false premises and conclusions of the Kinsey Report and indicates the false data on which even the government has based much of its policy. For example, in the fight against AIDS, the government has consistently overestimated the anticipated number of AIDS cases and has had to revise its estimate downward. One of the reasons for that is because they grossly overestimated the number of people in the population who were in the at-risk groups. Thank you, very much.

--0--

November 2, 1990 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, December 6, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Attest:

Madison H. Scott  
Secretary

Shirley D. Bowser  
Chairperson

APPENDIX XXVIII

THE OHIO STATE UNIVERSITY ENDOWMENT SUMMARY  
October 19, 1990

Presented to the Investments Committee and  
Adopted by the Board of Trustees, November 2, 1990  
(See page 503)

# **THE OHIO STATE UNIVERSITY**

## **ENDOWMENT FUND**

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### **ENDOWMENT SUMMARY**

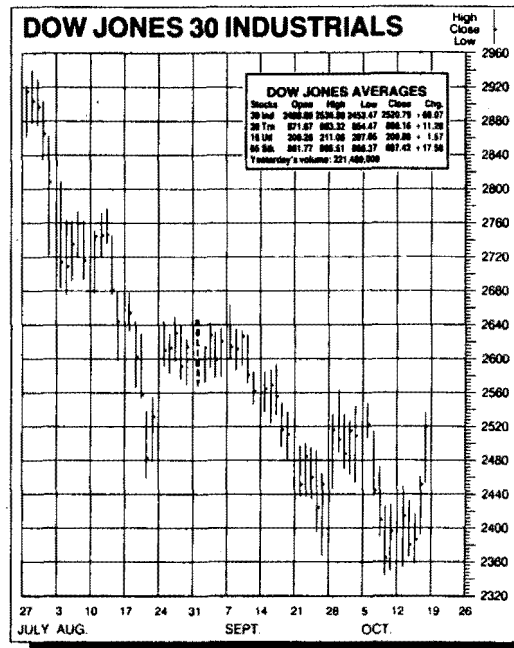
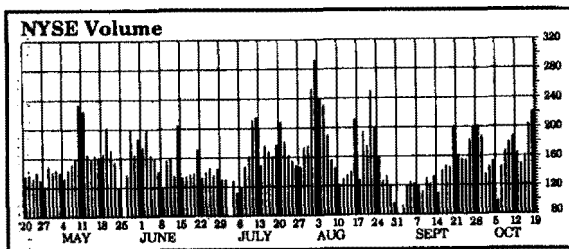
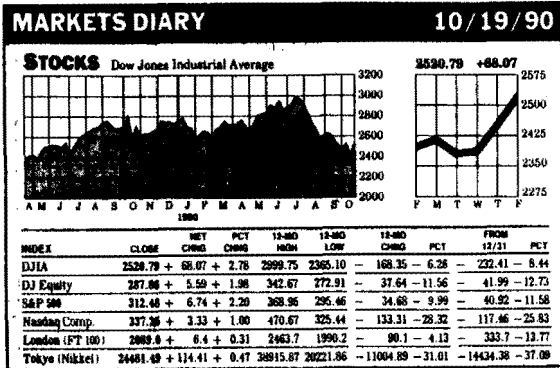
**October 19, 1990**

**Office of the Treasurer**



# The Ohio State University Endowment Fund

## Equity Market Information

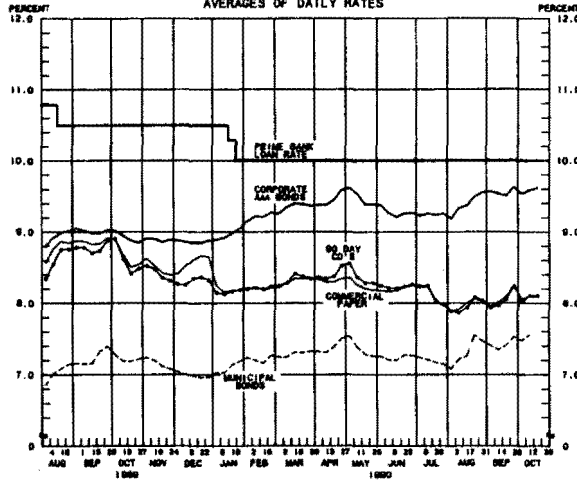


# The Ohio State University Endowment Fund

## Selected Yield and Interest Rates

### YIELDS ON SELECTED SECURITIES

AVERAGES OF DAILY RATES



LATEST DATA PLOTTED ARE AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING: OCTOBER 10, 1980.

1980	90 DAY FEDERAL FUNDS	90 DAY COMMERCIAL PAPER	90 DAY TREASURY BILLS	CORPORATE AAA BONDS	CORPORATE BAA BONDS	MUNICIPAL BONDS
AUG. 3	7.80	7.80	7.82	9.10	10.14	7.08
10	7.87	7.82	7.85	9.34	10.34	7.22
17	7.84	8.07	7.75	9.37	10.34	7.20
24	8.06	8.07	7.90	9.50	10.34	7.36
31	8.04	8.03	7.80	9.56	10.56	7.47
7	7.94	7.98	7.86	9.57	10.34	7.41
14	7.87	8.02	7.73	9.54	10.37	7.30
21	8.06	8.10	7.86	9.51	10.06	7.41
28	8.24	8.26	8.02	9.83	10.78	7.53
5	8.02	8.06	7.80	9.54	10.85	7.48
12	8.11	8.10	7.97	9.58	10.74	7.56
19	8.11	8.08	7.92	9.62	10.81	N.A.
26						

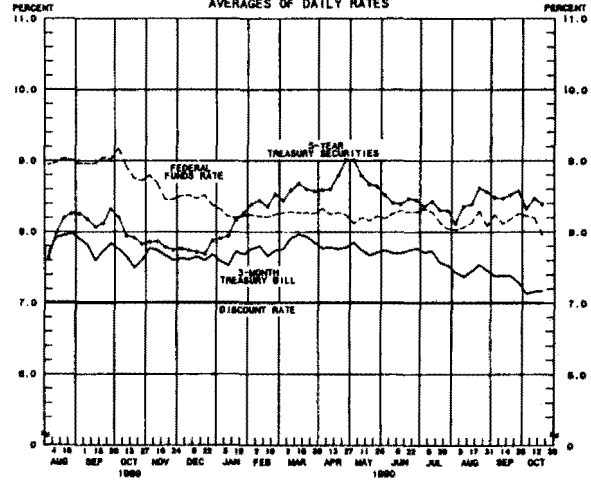
NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' H-15 RELEASE.  
 \* AVERAGES OF RATES AVAILABLE  
 \*\* 90 DAY BUYER'S AVERAGE THREE OF 20 MUNICIPAL BONDS, THURSDAY DATA

N.A. - NOT AVAILABLE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

### SELECTED INTEREST RATES

AVERAGES OF DAILY RATES



LATEST DATA PLOTTED ARE AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING: OCTOBER 10, 1980.

1980	FEDERAL FUNDS	3-MONTH TREASURY BILL	6-MONTH TREASURY BILL	1-YEAR TREASURY BILL	2-YEAR TREASURY SECURITIES	LONG-TERM TREASURY SECURITIES
AUG. 3	8.03	7.43	7.37	7.16	8.12	8.52
10	8.07	7.37	7.19	7.18	8.36	8.81
17	8.13	7.45	7.31	7.22	8.39	8.84
24	8.30	7.34	7.45	7.50	8.62	9.12
31	8.08	7.46	7.48	7.32	8.56	9.06
7	8.23	7.38	7.36	7.33	8.46	8.95
14	8.12	7.58	7.50	7.34	8.47	9.04
21	8.18	7.58	7.50	7.34	8.52	9.02
28	8.20	7.29	7.33	7.28	8.58	9.14
5	8.23	7.13	7.21	7.07	8.53	8.87
12	8.20	7.18	7.21	7.12	8.47	8.97
19	7.90	7.17	7.22	7.10	8.39	8.97
26						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' H-15 RELEASE EXCLUDING LONG-TERM TREASURY SECURITIES WHICH ARE COMPUTED BY THIS BANK. TREASURY BILL YIELDS ARE ON A DISCOUNT BASIS.  
 \* AVERAGES OF RATES AVAILABLE  
 \*\* 90 DAY BUYER'S AVERAGE THREE OF 20 MUNICIPAL BONDS, THURSDAY DATA  
 \*\*\* SEVEN-DAY AVERAGES FOR WEEK ENDING TWO DAYS EARLIER THAN DATE SHOWN  
 \*\*\*\* MONTHLY AVERAGE (DISCOUNT)

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

**THE OHIO STATE UNIVERSITY**  
**Portfolio Summary**

	<u>10/19/90</u>	<u>6/30/90</u>
Unallocated Cash	\$23,144,104	\$26,394,640
Equities:		
Chicago	31,685,585	38,632,387
R. Meeder	9,595,750	13,001,471
Neuberger & Berman	12,005,851	14,170,710
Nicholas Applegate	12,628,411	15,494,958
Siebel	30,885,072	36,744,939
University Managed	24,696,968	33,379,715
University Students	4,802,041	5,622,381
Wells Fargo EAFE	8,449,318	9,088,214
Wells Fargo S&P 500	26,860,149	30,747,343
Total Equities	<u>161,609,145</u>	<u>196,882,118</u>
Fixed Income:		
Boatmen's Trust	27,472,970 [1]	23,329,632
Cambridge	896,848	921,596
Duff & Phelps	10,111,839	10,142,463
WR Lazard	9,850,097	9,888,684
STW Fixed Income	27,675,484 [1]	23,393,709
University GNMA	10,013,919	10,088,124
University Managed	205,710	289,044
Total Fixed Income	<u>86,226,647</u>	<u>78,053,252</u>
Real Estate	43,862,825	43,869,131
TOTAL INVESTMENT POOL	<u>\$314,842,721</u>	<u>\$345,199,141</u>
Less amounts invested for:		
University Foundation	(14,923,299)	(16,383,204)
Transportation Research Center	(3,755,130)	(6,935,639)
TOTAL ENDOWMENT FUND	<u>\$296,164,292</u>	<u>\$321,880,298</u>

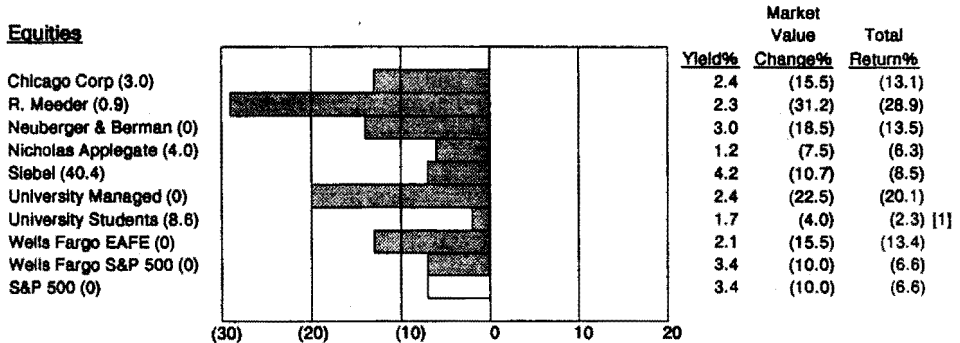
<u>Asset Allocation</u>	<u>10/19/90</u>	<u>% of Portfolio</u>	<u>09/21/90</u>	<u>% of Portfolio</u>	<u>6/30/90</u>	<u>% of Portfolio</u>
Equities	\$147,118,954	46.73	\$149,924,820	47.87	\$163,764,582	53.23
Fixed Income	84,300,691	26.78	73,283,197	23.40	77,004,000	22.31
Real Estate	43,778,500	13.90	43,778,500	13.98	43,778,500	12.66
Cash	39,644,576	12.59	48,215,587	14.75	40,652,059	11.78
Total	<u>\$314,842,721</u>	<u>100.00</u>	<u>\$313,202,084</u>	<u>100.00</u>	<u>\$345,199,141</u>	<u>100.00</u>

[1] Commitment increased \$5,000,000 on October 12, 1990.

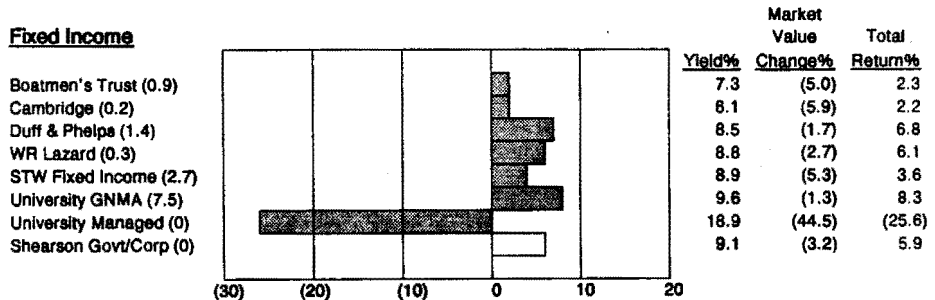
# **THE OHIO STATE UNIVERSITY** **Endowment Performance Summary**

## **Estimated 12 Month Total Return**

### **Equities**



### **Fixed Income**



( ) Percent Cash 10/19/90

[1] Reflects return from initial allocation February 20, 1990 only.

	Year to Date July 1, 1990 to October 19, 1990	Latest Month September 22, 1990 to October 19, 1990
<b><u>Change in Total Valuation</u></b>		
Beginning Market Value	\$321,880,298	\$292,125,973
Principal Additions	9,854,468	4,243,801
Principal Withdrawals	(108,477)	(85,977)
Income Reserve	(780,433)	0
Change in Market Value	(34,681,564)	(119,505)
Ending Market Value	<u>\$296,164,292</u>	<u>\$296,164,292</u>

NOTE: Endowment Income from July 1, 1990 through October 31, 1990, totaled approximately \$4,561,000.



**THE OHIO STATE UNIVERSITY**  
**Maturities and**  
**Real Estate Activity**

**MATURITIES THAT OCCURRED DURING PERIOD**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>
------------------	--------------------------------	----------------

No maturities during the period.

**REAL ESTATE**

**Acquisitions & Sales**

<u>Description</u>	<u>Cost or Appraised Value</u>
--------------------	------------------------------------

No activity during the period.

# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
10,200	American Software, Inc.	Chicago	7.7574	\$79,125.00	\$2,142.00
3,700	Century Telephone, Inc.	Chicago	23.1204	85,786.14	1,554.00
2,000	Fifth Third Bancorp	Chicago	23.9375	47,875.00	2,160.00
5,400	Kentucky Utilities, Inc.	Chicago	19.1065	103,526.00	7,884.00
6,000	Lincoln Telecommunications, Inc.	Chicago	24.7403	148,441.60	4,440.00
1,100	Microsoft Corp.	Chicago	59.1750	65,092.50	0.00
2,100	Okiahoma Gas & Electric	Chicago	34.5000	72,586.50	5,208.00
2,000	Pacific Telecom, Inc.	Chicago	24.8443	49,688.60	2,200.00
2,700	Winn Dixie Stores, Inc.	Chicago	61.7297	166,845.66	5,832.00
3,800	Becton Dickinson & Co.	Nicholas-Applegate	68.3860	260,094.90	4,104.00
6,900	Centocor, Inc.	Nicholas-Applegate	36.7516	253,565.99	0.00
11,000	Chiquita Brands International, Inc.	Nicholas-Applegate	26.8414	295,915.60	4,400.00
3,500	Chiron Corp.	Nicholas-Applegate	34.0118	119,041.30	0.00
7,100	Coastal Corp.	Nicholas-Applegate	36.2981	258,142.60	4,260.00
2,700	Genentech, Inc.	Nicholas-Applegate	26.0619	70,529.00	0.00
1,100	General Motors Corp. Cl., E	Nicholas-Applegate	33.5940	37,019.40	616.00
700	Humana, Inc.	Nicholas-Applegate	43.3931	30,417.20	840.00
17,000	Manor Care Inc.	Nicholas-Applegate	14.9430	255,051.00	2,244.00
1,000	Medtronic, Inc.	Nicholas-Applegate	76.0275	76,087.50	820.00
2,400	Novell, Inc.	Nicholas-Applegate	22.2500	53,400.00	0.00
7,100	Pittson Co.	Nicholas-Applegate	19.9167	141,834.70	1,420.00
1,400	Sun Microsystems, Inc.	Nicholas-Applegate	18.0429	25,260.00	0.00
6,000	American Express Co.	Siebel	18.1850	109,530.00	5,520.00
35,000	American Waste Service, Inc.	Siebel	10.0000	350,000.00	0.00
700	Disney (Walt) Co.	Siebel	90.1250	63,136.50	406.00
12	American Information Technologies Corp.*	University Managed	62.3750	748.50	37.92
48	American Tel & Tel Co. Com.*	University Managed	31.7500	1,524.00	63.36
2,335	Banc One Corp.*	University Managed	25.1875	58,812.81	2,428.40
16	Bell Atlantic Corp.*	University Managed	47.9375	767.00	70.40
18	Bell South, Co.*	University Managed	52.5000	945.00	45.36

\*Gift

Continued next page

# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period (continued)

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
8	NYNEX Corp. *	University Managed	71.3750	\$571.00	\$34.88
16	Pacific Telesis Group, Inc. *	University Managed	43.0625	689.00	32.32
12	Southwest Bell, Corp. *	University Managed	53.2500	639.00	31.20
16	U.S. West, Inc. *	University Managed	35.6250	570.00	32.00
180	USX Corp.	University Managed	35.6250	6,412.50	0.00
125	Worthington Industries, Inc. *	University Managed	20.6875	2,585.94	75.00
				<u>\$3,292,277.44</u>	<u>\$58,900.84</u>

\*Gift

# THE OHIO STATE UNIVERSITY

## Equity Sales

### Sales Made During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
5,500	Apple Computer, Inc.	Chicago	31.1968	\$171,582.40	(\$45,742.60)
8,900	Avery International Corp.	Chicago	17.2390	118,496.63	32,364.92
9,100	C & S Sovran Corp.	Chicago	16.4890	149,453.80	(101,737.70)
2,900	Clorox Co.	Chicago	35.5000	102,758.06	12,307.06
5,600	Crompton & Knowles Corp.	Chicago	18.2604	101,890.83	47,504.47
6,400	First Virginia Banks, Inc.	Chicago	18.5022	117,994.04	(4,657.96)
5,400	Hillenbrand Industries, Inc.	Chicago	34.0000	183,242.88	(4,658.56)
8,366	Morrison, Inc.	Chicago	14.5340	121,591.44	(5,155.68)
5,800	SAFECO Corp.	Chicago	28.2228	163,691.96	9,266.96
9,600	SunTrust Banks, Inc.	Chicago	18.6258	176,178.03	(36,270.97)
1,800	Wal-Mart Stores, Inc.	Chicago	28.8750	51,856.26	25,499.76
3,500	Williamette Industries Co.	Chicago	34.5000	120,750.00	(22,750.00)
2,000	Autodesk, Inc.	Nicholas-Applegate	42.0260	84,052.00	19,221.64
3,000	Chemical Waste Management, Inc.	Nicholas-Applegate	19.5190	58,375.04	(6,511.36)
3,600	Dillard Department Stores, Inc.	Nicholas-Applegate	75.3900	266,244.45	27,616.45
7,400	Flightsafety International, Inc.	Nicholas-Applegate	36.9555	273,017.46	(46,108.34)
2,500	Home Depot, Inc.	Nicholas-Applegate	27.3167	68,139.51	39,648.51
10,900	Liz Claiborne, Inc.	Nicholas-Applegate	24.0000	261,600.00	(3,472.74)
7,500	MBIA, Inc.	Nicholas-Applegate	24.5244	183,476.64	(118,848.36)
3,700	Motorola, Inc.	Nicholas-Applegate	51.9726	192,070.28	(74,222.67)
10,000	Newell Co.	Nicholas-Applegate	19.5142	194,535.45	(70,914.55)
2,900	Southwest Airlines Co.	Nicholas-Applegate	14.1057	40,731.12	(9,073.36)
12,500	Storage Technology Corp.	Nicholas-Applegate	12.4554	154,937.47	(89,901.43)
4,000	Sun Microsystems, Inc.	Nicholas-Applegate	22.1761	88,712.50	7,766.67
97,400	Beverly Enterprises, Inc.	Siebel	6.0325	582,575.40	(131,507.20)
16,200	Sterling Software, Inc.	University Students	6.8410	109,201.27	(62,516.73)
				<u>\$4,159,154.92</u>	<u>(\$612,835.77)</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Acquisitions**

Purchases and Gifts During Period

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Current Yield</u>	<u>Yield to Maturity</u>	<u>Price</u>	<u>Investment</u>
5,750,000	U.S. Treasury Bond 7.500% 11-15-16	Boatmen's	8.9136	9.0990	84.1406	\$4,838,085.94
100,000	U.S. Treasury Note 9.375% 04-15-96	WR Lazard	9.0280	8.4820	103.8437	103,843.75
700,000	U.S. Treasury Note 8.250% 09-30-93	WR Lazard	8.2153	8.0860	100.4219	702,953.13
1,000,000	Associates Corp. 8.150% 08-01-09	STW	8.7411	9.0120	93.2380	932,380.00
4,000,000	U.S. Treasury Bond 10.750% 08-15-05	STW	9.5423	9.1680	112.6562	4,506,250.00
						<u>\$11,083,512.82</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Sales**

Sales Made During Period

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Price</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
500,000	Johnson & Johnson 8.875% 10-15-90	WR Lazard	100.0000	\$500,000.00	(\$1,060.00)
300,000	U.S. Treasury Note 9.000% 05-15-92	WR Lazard	101.5469	304,640.63	(234.37)
850,000	U.S. Treasury Bond 10.750% 08-15-05	STW	114.4083	972,453.13	(54,387.47)
				<u>\$1,777,093.76</u>	<u>(\$55,681.84)</u>

**THE OHIO STATE UNIVERSITY**  
**Real Estate Investments**

	<u>Yield</u>	<u>Year Acquired</u>	<u>Carrying Value</u>	<u>Appraised Value</u>	<u>Date Appraised</u>
Busch Boulevard Centre	9.36%	1990	\$4,275,000	\$4,275,000	10/89
46.984 acres of land in Delaware County	0.55%	1971	100,793	641,000	06/89
Hangar at Don Scott Field (Loan)	0.00%	1973	21,332 (1)	21,332	N/A
Hangar addition at Don Scott Field (Loan)	10.00%	1978	62,993 (1)	62,993	N/A
17.92 acres of land on Elterman Road	0.00%	1978	25,152	725,000	05/88
51 acres of land, 2809 West Granville Road	0.00%	1962	160,265	2,896,000	06/89
48.52 acres of land, 3025 West Granville Road	0.00%	1972	544,398	4,367,000	06/89
76.143 acres of land, 3253 West Granville Road	0.03%	1968	310,538	6,853,000	06/89
30.539 acres of land, 3371 West Granville Road	0.00%	1971	285,079	2,749,000	06/89
32 acres of land, 3371 West Granville Road	0.19%	1986	2,078,666	2,880,000	06/89
12 acres of land, 3483 West Granville Road	0.00%	1965	24,000	1,080,000	06/89
8.557 acres of land, 3505 West Granville Road	0.00%	1968	17,114	770,000	06/89
Undivided one-half interest in building and .65 acres at 1375 South Hamilton Road	2.94%	1986	95,000	95,000	01/86
94.5 acres of land on Harrisburg Pike	0.00%	1986	190,000	283,000	06/89
Building and 2.833 acres at 1900 Kenny Road	21.84%	1981	659,930	1,250,000	06/89
Building and 6.41 acres at 1960 Kenny Road	17.36%	1971	1,320,693	2,500,000	06/89
Building and 6.328 acres at 1991 Kenny Road	8.81%	1968	170,000	696,000	06/89
Building and 3.295 acres at 930 Kinnear Road	7.97%	1962	435,204	1,550,000	06/89
Building and 5.56 acres at 1100 Kinnear Road	3.74%	1984	825,000	2,650,000	06/89
20.988 acres of land on Shier-Rings Road	0.00%	1978	241,848	1,155,000	08/89
Veterans Administration Clinic	8.08%	1979	3,767,261	6,363,500	06/90
			<u>\$15,590,266</u>	<u>\$43,862,625</u>	

(1) Amount represents balance on loan made to Department of Aviation



Office of the Treasurer

Riverwatch Tower - Suite B  
364 West Lane Avenue  
Columbus, OH 43201-1002  
Phone 614-292-6261

# MEMORANDUM

Subject: Proxy Solicitations

Date: October 31, 1990

From: James L. Nichols, Treasurer

*James L. Nichols*

To: Board of Trustees, The Ohio State University

During October 1990, the University voted eighteen proxies.

Management proposals were as follows:

- 1) Election of the Board of Directors;
- 2) Approval of Merger Agreement;
- 3) Ratification of the independent auditors;
- 4) Approval of Restricted Stock Plan for Non-Employee Directors;
- 5) Amendment to Stock Option Plan allowing for additional shares of common stock;
- 6) Adoption of Employee Stock Purchase Plan;
- 7) Approval of the Key Employees' Stock Option Plan;
- 8) Ratification of amendment to Key Employees' Stock Option Plan;
- 9) Approval of amendments to the 1977 Stock Option Plan;
- 10) Amendment to increase the number of shares of common stock;
- 11) Approval of additional shares for the Employee Incentive Stock Option Plan;
- 12) Approval of additional shares for the Management Incentive Plan;
- 13) Approval of the Company's Restricted Stock Plan.

The shareholder proposal was as follows:

- 1) Request the Company terminate all remaining economic relationships with South Africa.

The University voted for all Management proposals and for the shareholder proposal. Additionally, Management opposed the shareholder proposal.



The eighteen corporations were:

- 1) Automatic Data Processing, Incorporated
- 2) Bruno's Incorporated
- 3) California Microwave, Incorporated
- 4) Equifax Incorporated
- 5) First Mississippi Corporation
- 6) Jostens, Incorporated
- 7) Meredith Corporation
- 8) Microsoft Corporation
- 9) Morton International
- 10) National Semiconductor Corporation
- 11) Sara Lee Corporation
- 12) Scientific-Atlanta, Incorporated
- 13) Shaw Industries Incorporated
- 14) Sysco Corporation
- 15) Tandy Corporation
- 16) Telecredit, Incorporated
- 17) Wallace Computer Services Incorporated
- 18) Wang Laboratories, Incorporated

Page 570 Blank

APPENDIX XXIX

THE OHIO STATE UNIVERSITY FOUNDATION AND  
DEVELOPMENT FUND RECEIPTS

Presented to the Investments Committee and  
Adopted by the Board of Trustees, November 2, 1990  
(See page 504)

THE OHIO STATE UNIVERSITY  
OFFICE OF UNIVERSITY DEVELOPMENT  
OSU FOUNDATION & DEVELOPMENT FUND RECEIPTS

July-September  
1989 compared to 1990

GIFT RECEIPTS BY DONOR TYPE

	Donors			Dollars		
	July	through	September	July	through	September
	<u>1989</u>	<u>1990</u>	<u>% Change</u>	<u>1989</u>	<u>1990</u>	<u>% Change</u>
Alumni	7,603	8,929	17	\$1,558,147	\$4,550,258	192
Non-Alumni	5,492	6,259	14	614,177	3,182,693	418
Corporations	704	661	(6)	2,200,931	2,631,134	20
Corporate Foundations	125	119	(5)	497,824	689,977	39
Private Foundations	46	53	15	725,222	778,253	(7)
Other	<u>226</u>	<u>230</u>	2	<u>888,982</u>	<u>608,570</u>	(32)
TOTAL	14,196	16,251	14	\$6,485,283	\$12,440,885	92

APPENDIX XXX

THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET - 1ST QUARTER REPORT

Presented to the Fiscal Affairs Committee and  
Adopted by the Board of Trustees, November 2, 1990  
(See page 526)

THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET  
1ST QUARTER REPORT  
All Funds Summary of Resources and Uses

<b>Budgeted Resources</b>		
Central Campus		
State Appropriations		\$320,150,000
Student Fees		
Instructional, General & Tuition	170,310,000	
Non-Credit Instruction	5,000,000	
Subtotal Student Fees		\$175,310,000
Other Resources		
Federal Grants and Contracts	107,840,000	
Ohio Grants and Contracts	14,160,000	
Local Grants and Contracts	14,280,000	
Private Gifts and Grants	66,950,000	
Endowment Income	11,050,000	
Departmental Sales & Services	32,380,000	
Auxiliary Sales & Charges	87,440,000	
Hospitals & CHRI Services	255,090,000	
Other Sources	16,280,000	
Subtotal Other Resources		\$605,470,000
Total Central Campus		\$1,100,930,000
Regional Campuses		
State Appropriations	14,190,000	
Student Fees	12,230,000	
Other Resources	5,170,000	
Total Regional Campuses		\$31,590,000
OARDC		
State Appropriations	23,060,000	
Federal	7,750,000	
All Other	4,300,000	
Total OARDC		\$35,110,000
Grand Total - Resources		\$1,167,630,000
<b>Budgeted Uses</b>		
Central Campus		
Educational and General Expenditures	732,980,000	
Auxiliaries	94,400,000	
University Hospitals & CHRI	271,800,000	
Total Central Campus		\$1,099,180,000
Regional Campuses		
ATI	7,590,000	
Lima	6,360,000	
Mansfield	5,720,000	
Marion	5,150,000	
Newark	6,650,000	
Total Regional Campuses		\$31,470,000
OARDC		\$35,110,000
Grand Total - Uses		\$1,165,760,000

THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET  
1ST QUARTER REPORT

Summary of Proposed Resources  
(In Millions of Dollars)

	Budgeted 1990-91	Estimated 1990-91	\$ Change	% Change
Central Campus				
Unrestricted General Funds	\$482.31	\$482.31	\$ .00	.0%
Earnings Operations	386.79	386.79	.00	.0%
Restricted Funds	231.83	231.83	.00	.0%
Total Central Campus	\$1,100.93	\$1,100.93	\$ .00	.0%
Regional Campuses	31.59	31.59	.00	.0%
OARDC	35.11	35.11	.00	.0%
Grand Totals	\$1,167.63	\$1,167.63	\$ .00	.0%

THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET  
1ST QUARTER REPORT

Summary of Proposed Uses  
(In Millions of Dollars)

	Budgeted 1990-91	Estimated 1990-91	\$ Change	% Change
<b>Central Campus</b>				
Unrestricted General Funds	\$482.31	\$482.31	\$ .00	.0%
Earnings Operations	385.04	385.04	.00	.0%
Restricted Funds	231.83	231.83	.00	.0%
<b>Total Central Campus</b>	<b>\$1,099.18</b>	<b>\$1,099.18</b>	<b>\$ .00</b>	<b>.0%</b>
<b>Regional Campuses</b>	<b>31.47</b>	<b>31.47</b>	<b>.00</b>	<b>.0%</b>
<b>OARDC</b>	<b>35.11</b>	<b>35.11</b>	<b>.00</b>	<b>.0%</b>
<b>Grand Totals</b>	<b>\$1,165.76</b>	<b>\$1,165.76</b>	<b>\$ .00</b>	<b>.0%</b>



THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET  
1ST QUARTER REPORT

All Funds Resource Summary  
(In Millions of Dollars)

	General Funds	Earnings Operations	Restricted Funds	Estimated 1990-91	Budgeted 1990-91
<b>Central Campus</b>					
State Appropriations	\$277.72	\$ .00	\$42.43	\$320.15	\$320.15
Student Fees	170.31	5.00	.00	175.31	175.31
Other Resources					
Federal Grants and Contracts	17.84	.00	90.00	107.84	107.84
Ohio Grants and Contracts	.46	.00	13.70	14.16	14.16
Local Grants and Contracts	.78	.00	13.50	14.28	14.28
Private Gifts and Grants	4.25	.00	62.70	66.95	66.95
Endowment Income	1.55	.00	9.50	11.05	11.05
Department and University Services	.38	32.00	.00	32.38	32.38
Auxiliary Sales & Charges	.02	87.42	.00	87.44	87.44
Hospitals & CHRI Services	.00	255.09	.00	255.09	255.09
Other Sources	9.00	7.28	.00	16.28	16.28
Total Other Resources	\$34.28	\$381.79	\$189.40	\$605.47	\$605.47
Total Central Campus	\$482.31	\$386.79	\$231.83	\$1,100.93	\$1,100.93
<b>Regional Campuses</b>					
State Appropriations	14.16	.00	.03	14.19	14.19
Student Fees	12.02	.21	.00	12.23	12.23
Other Resources	.76	1.76	2.65	5.17	5.17
Total Regional Campuses	\$26.94	\$1.97	\$2.68	\$31.59	\$31.59
<b>QARDC</b>					
State Appropriations	.00	.00	23.06	23.06	23.06
Federal	.00	.00	7.75	7.75	7.75
All Other	.00	1.61	2.69	4.30	4.30
Total QARDC	\$ .00	\$1.61	\$33.50	\$35.11	\$35.11
<b>Total University</b>					
State Appropriations	291.88	.00	65.52	357.40	357.40
Student Fees	182.33	5.21	.00	187.54	187.54
Other Resources	35.04	385.16	202.49	622.69	622.69
Total University	\$509.25	\$390.37	\$268.01	\$1,167.63	\$1,167.63

THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET  
1ST QUARTER REPORT

All Funds Uses Summary  
(In Millions of Dollars)

	General Funds	Earnings Operations	Restricted Funds	Estimated 1990-91	Budgeted 1990-91
<b>Central Campus</b>					
Educational & General	\$480.95	\$37.00	\$215.03	\$732.98	\$732.98
Auxiliary Enterprises					
Residence & Dining Halls	.00	38.48	.00	38.48	38.48
Intercollegiate Athletics	.00	18.87	4.25	23.12	23.12
Other Auxiliaries	1.36	31.44	.00	32.80	32.80
Total Auxiliaries	\$1.36	\$80.79	\$4.25	\$94.40	\$94.40
University Hospitals & CHR1	.00	259.25	12.55	271.80	271.80
Total Central Campus	\$482.31	\$385.04	\$231.83	\$1,099.18	\$1,099.18
<b>Regional Campuses</b>					
Agricultural Technical Institute	5.75	1.04	.80	7.59	7.59
Lima Campus	5.80	.08	.48	6.36	6.36
Marion Campus	5.08	.09	.55	5.72	5.72
Marion Campus	4.45	.15	.55	5.15	5.15
Newark Campus	5.80	.55	.30	6.65	6.65
Total Regional Campuses	\$26.88	\$1.91	\$2.68	\$31.47	\$31.47
<b>OSU DC</b>	.00	1.61	33.50	35.11	35.11
<b>Total Uses</b>	<b>\$509.19</b>	<b>\$388.56</b>	<b>\$268.01</b>	<b>\$1,165.76</b>	<b>\$1,165.76</b>

THE OHIO STATE UNIVERSITY  
1990-91 CURRENT FUNDS BUDGET  
1ST QUARTER REPORT

Distribution of 1990-91 Resources  
Central Campus, Regional Campuses & OARDC  
(In Millions of Dollars)

	All Funds	Percent of Total	Unrestr. General(4)	Percent of Total
State Appropriations	\$357.40	30.6%	\$291.88	57.3%
Federal Grants & Contracts	115.59	9.9%	17.84	3.5%
Other Government Sources	28.44	2.4%	1.24	.2%
Student Fees				
Instructional (1)	182.33	15.6%	182.33	35.8%
Non-Credit Instruction	5.21	.4%	.00	.0%
Hospitals & CHRI Services	255.09	21.8%	.00	.0%
Other Sales / Services (2)	119.82	10.3%	.40	.1%
Private Gifts & Grants	66.95	5.7%	4.25	.8%
Endowment	11.05	.9%	1.55	.3%
Other Sources (3)	25.75	2.2%	9.76	1.9%
Total	\$1,167.63	100.0%	\$509.25	100.0%

- (1) Includes instructional, general, non-resident, and misc. other fees.  
(2) Includes departmental sales and services and auxiliary income such as residence and dining hall fees and parking fees.  
(3) Includes temporary investments, prior years' earnings, rental income, etc.  
(4) Excludes all earnings and restricted funds.

Page 580 Blank

APPENDIX XXXI

DOAN HALL - 1 CENTER RENOVATION

Adopted by the Board of Trustees, November 2, 1990  
(See page 548)

## **Request for Construction Bids**

### Background

#### Doan Hall - 1 Center Renovation

This project will renovate approximately 4,870 square feet of the first floor of Doan Hall to provide offices for Quality and Resource Management, Volunteer Services, and Medical Director Administration.

Funds for this project are available from University Hospitals. Construction costs are estimated at \$294,000.00 and the total project cost is estimated at \$350,000.00.

APPENDIX XXXII

PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808

Adopted by the Board of Trustees, November 2, 1990  
(See page 549)

**Employment of Architects/Engineers and  
Request for Construction Bids**

Background

**PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 808**

Substitute House Bill 808, enacted by the 118th General Assembly, made capital appropriations for projects for The Ohio State University for the 1990-1992 biennium. The University desires to move forward with the following three projects totaling \$20,700,000.00, authorized by House Bill 808:

Line Item Projects

Pediatric Education Facility

This project will construct a facility of approximately 106,200 gross square feet to house the three basic components of Pediatric Education at Children's Hospital: faculty offices, classrooms, conference space, and training and support space.

Estimated Construction Cost: \$10,550,000.00

Estimated Project Cost: \$13,000,000.00

Thurber Center for Literary Arts

This project will demolish an existing apartment building and construct a new literary conference center with classroom and workshop space north of the existing Thurber House at 77 Jefferson Avenue. The project also will renovate the second floor rooms of Thurber House, provide historical furnishings for the house, and provide general renovation of the property located at 67 Jefferson Avenue for State library groups.

Estimated Construction Cost: \$ 410,000.00

Estimated Project Cost: \$ 500,000.00

Franklin Park Conservatory Improvements

This project will renovate and expand the 1895 Franklin Park Conservatory. Work included is restoration of the west entrance; mechanical and electrical improvements; construction of a support building on the east side to house offices, classrooms, library space, and multi-purpose areas; and construction of two display buildings on the north and south sides of the support building to house plant materials in three climatic zones.

Estimated Construction Cost: \$ 5,850,000.00

Estimated Project Cost: \$ 7,200,000.00



APPENDIX XXXIII

NON-MANDATORY TRANSFER FROM CURRENT FUNDS  
FISCAL YEAR 1989-90

Adopted by the Board of Trustees, November 2, 1990  
(See page 550)

The Ohio State University  
Board of Trustees

Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Transfer		Amount
	Account Number	From A/C Number	
<b>ENDOWMENT FUNDS</b>			
Endowment Clearing Account	070002	010000	7,979.00
Endowment Clearing Account	070002	033607	7,021.00
Endowment Clearing Account	070002	037167	14,000.00
Endowment Clearing Account	070002	037593	2,600.00
Endowment Clearing Account	070002	038624	5,544.27
Arthur E. Baggs Memorial Fund	070253	037401	100.00
Dr. Floyd M. Beman Fund	070418	050469	500.00
Shirley A. Brooks Scholarship in Agriculture	070839	033008	1,382.07
Mertie I. Davis Fund	071599	033387	299,856.04
Friends of WOSU Endowment Fund	072324	033227	28,562.52
Robert E. Georges Scholarship Fund	072495	031475	5,400.00
The Baker & Hostetler Law Library and Building Fund	072498	051507	208,531.83
The Wayne Woodrow "Woody" Hayes Naval ROTC Leadership Award Fund	073022	033866	600.00
Holmes County 4-H Endowment Fund	073258	033590	50.00
The Charlotte S. Huck Children's Literature Endowment Fund	073311	011662	38,717.52
Humanities Fund	073338	032445	25,000.00
The Mary Karrer Memorial Fund	073554	038404	15,096.17
Kurtz Chairs	073854	023854	(87,696.87)
The Carolyn Engel Luebeck Memorial Endowment Fund	074370	033610	20,125.00
Francis McCormick Undergrad Scholar- ship Fund in Agricultural Economics	074618	016015	(1,145.00)
Francis McCormick Undergrad Scholar- ship Fund in Agricultural Economics	074618	016350	(297.50)
Devon Meek Industrial Lectureship and Undergrad Research Poster Presentation	074828	033063	5,000.00
Ohio Eminent Scholar in Industrial Microbiology	075353	039031	200,000.00
Ohio Eminent Scholar in High Temperature Structural Materials	075357	015018	500,000.00
Ohio Eminent Scholar in High Temperature Structural Materials	075357	038994	250,000.00
Ohio Eminent Scholar in Macro- molecular Structure Determination	075358	015018	500,000.00

The Ohio State University  
Board of Trustees

Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Account Number	Transfer From A/C Number	Amount
<b>ENDOWMENT FUNDS</b>			
Ohio Eminent Scholar in Protien Engineering	075359	015018	500,000.00
Ohio Eminent Scholar in Protien Engineering	075359	039032	250,000.00
Mortar Board 75th Anniversary Fund	075413	038991	(150,000.00)
OSU Name & Seal Scholarship Fund	075427	015102	300,000.00
Pharmacy Advancement	075725	050520	(22,500.00)
The Dr. Dale A. Ray Memorial Fund	075977	036999	50.00
Renal Research & Development Fund	076015	036839	15,000.00
The Rho Pi Phi Scholarship Fund in Pharmacy	076063	035453	100.00
Transport Research Center Research Fund	077323	012950	3,961,312.00
Woodford Zimmerman Memorial Schlrsbp Fund	077767	032604	3,338.00
Various Endowment Funds	07XXXX	02XXXX	864,934.59
Total Transfers to Endowment Principal Funds			\$ 7,769,160.64

**To: LOAN FUNDS**

Transfers from Current Funds	079000	010000	0,006.00
Emergency Loans-ATT	079991	033230	(11,093.91)
Total Transfers to Loan Funds			\$ 8,912.09

**To: PLANT FUNDS**

**Unexpended**

Land Purchases	082027	016300	61,560.64
Marion Branch Phase III	082065	010956	(1,747.86)
OARDC Gnotobiotic Lab	082068	010185	(0.01)
Total Transfers to Unexpended Plant Funds			\$ 59,812.77

The Ohio State University  
Board of Trustees

Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Account Number	Transfer From A/C Number	Amount
<b>Renewal and Replacement Funds -</b>			
<b>Remodeling and Renovation</b>			
Bradford	085047	017200	2,021,131.00
Lincoln Improvements	085048	017200	241,632.00
Dorm Contingency Fund	085049	017200	1,883,493.40
Dorm Contingency Fund	085049	017300	542,283.42
Archer/Oxley Improvement	085050	017200	89,826.00
Parking Lot Repairs	085071	016007	58,200.00
Parking Ramp Repair	085175	016007	(15,000.00)
South Medical Parking Ramp Repairs	085176	016007	35,000.00
Northwest Parking Ramp Repairs	085177	016007	(10,000.00)
North Medical Parking Ramp	085269	016007	25,000.00
164 West Nineteenth Avenue	085275	010000	(6,337.00)
1100 Kinnear Road Renovation	085284	010000	168,285.53
Stadium Pressbox	085288	016019	(13,935.41)
1224 Kinnear Road	085290	010000	540,276.77
Eleventh Avenue Ramp Repairs	085307	016007	(10,000.00)
9th Avenue Ramp Repair	085308	016007	(5,000.00)
Veterinary Science Facility	085311	010000	(1,618.74)
Veterinary Medicine Lab Improvements	085322	015108	25,000.00
Arps Renovation - 282,283	085336	010000	(6,491.00)
Stadium Pressbox - Trustees	085337	010000	(53,419.25)
AM Night Transmitter	085376	010000	16,212.00
Lord/Hopkins Art Lab	085378	010000	86,066.00
Pressey Hall Remodeling	085382	010000	55,000.00
Pressey Hall Remodeling	085382	014033	5,903.39
International Studies Remodeling	085396	010000	(3,568.62)
Upham Hall - 2nd Floor	085398	010000	(1,974.74)
Oxley Hall Renovation	085402	010000	100,000.00
Enarson Hall Renovation	085414	010000	22,500.00
St. John Scoreboard	085443	016019	(0.11)
Central Service Bldg Renovation	085446	010000	298,500.00
Goss Lab - Proj 2943AR	085448	015109	28,253.83
Pressey Hall - Phase II	085455	010000	196,623.13
Arps Garage Repairs	085465	016007	(2,000.00)

The Ohio State University  
Board of Trustees

Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Account Number	Transfer From A/C Number	Amount
<u>Renewal and Replacement Funds -</u>			
<u>Remodeling and Renovation</u>			
Ohio Union Garage Repairs	085466	016007	(15,000.00)
12th Avenue Garage Repairs	085467	016007	(9,000.00)
Faculty Club Improvements	085469	010000	85,000.00
Morrison Tower - 2323AR	085493	017200	(21,186.98)
Food Service Consulting	085494	017200	117,834.48
Hagerty Hall Air Con - Proj 3299	085520	010000	1,682.00
Ohio Union Asbestos Removal	085533	016020	73,465.00
Lazenby Hall Renovation	085543	014100	9,984.00
WOSV Mansfield - Proj 3462	085549	011064	104,142.54
Scott - Byrd Center	085555	010000	12,024.21
Photo Lab Project 3496	085560	010000	74,500.00
Photo Lab Project 3496	085560	033562	20,000.00
Photo Lab Project 3496	085560	057256	47,000.00
Postle Hall-Oral Biology	085561	010000	4,475.00
Bevis Hall - Proj 3481AR	085566	010000	4,000.00
Asbestos Abatement	085570	010000	910.00
Student Financial Aid - Proj 3446AR	085573	010000	2,660.00
McCracken Asbestos Removal	085578	010000	80,000.00
Lord Hall Renovation - Proj 3578AR	085583	010000	29,300.00
Stadium Concession - Proj 3584AR	085584	016019	16,382.00
St. John Arena Close Circuit TV-3583AR	085585	016019	9,400.00
Aviation Academic facility	085588	010000	84,600.00
Aviation Academic facility	085588	024611	165,400.00
Ombudsman Office Renovation-Proj 3515AR	085590	010000	105,000.00
Agricultur Enginrng-Water Resources Ctr	085591	010000	105,000.00
Ctr for Teachng Excellnce-TV Monitors	085592	010000	25,665.00
Lima Campus Parking Lot	085593	010928	55,000.00
Lima Campus Parking Lot	085593	016008	135,000.00
Pressey Hall - Proj 3585AR	085595	010000	6,889.70
Site Improvements	085598	010000	12,214.00
University Police - Proj 3695AR	085599	010000	51,912.50
Howlett Hall - Proj 3709AR	085600	022256	115,350.00
Postle Hall - Proj 2889AR	085604	038237	101,500.00
Postle Hall - Proj 3694AR	085608	038003	105,000.00

The Ohio State University  
Board of Trustees

Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Account Number	Transfer From A/C Number	Amount
<b>Renewal and Replacement Funds -</b>			
<b><u>Remodeling and Renovation</u></b>			
Vet Hosp-Animal Science Facility Renov	085613	010000	2,000.00
Bio Science/Zoology - Proj 3769AR	085616	010000	25,870.00
MRI/MRS Research Facility - Proj 4865AR	085617	050505	319,680.00
Campbell Hall Renovation	085618	010000	19,552.00
Fry Hall Room 137 - Proj 3555AR	085621	010000	46,150.00
High Voltage Lab - Proj 3727AR	085622	022125	91,000.00
Arps Hall - Asbestos Abatement	085623	010000	4,395.20
Sisson Hall - Asbestos Abatement	085624	010000	5,576.40
Neilwood Stairs - Proj 3801AR	085625	016102	7,130.00
Swine Surgery - Proj 3752AR	085626	024515	7,500.00
University Hall Lobby	085627	010000	35,000.00
Cunz Hall 156 - 3796AR	085629	010000	49,880.00
Robinson Lab Renovation	085630	010000	5,000.00
Ramseyer Comp - Proj 3835AR	085631	010000	78,800.00
General Biology - 3780AR	085632	010000	225,000.00
Agriculture Admin 44T - Proj 3847AR	085633	057801	26,500.00
Journalism Bldg - Proj 3783AR	085638	010000	36,000.00
<b>Total Remodeling and Renovation</b>			<b><u>9,010,978.65</u></b>
<b>Renewal and Replacement Funds -</b>			
<b><u>Repairs and Replacements</u></b>			
Veterinary Hospital Contingency	086806	011046	50,000.00
Veterinary Hospital Contingency	086806	015108	85,000.00
Child Care Center Plant Reserve	086808	011086	15,000.00
Computer Store Equipment Reserve	086809	014008	22,700.00
Computer Store Improvements Reserve	086810	014008	14,500.00
Human Relations Equipment Reserve	086811	010000	2,500.00
Purchasing - Equipment Replacement	086815	010000	20,000.00
Student Health Svc Clinic Equip Reserve	086816	011042	7,000.00
Business & Admin Equipment Reserve	086905	010000	18,069.92
Business Management Equipment Reserve	086907	010000	25,000.00
Treasurer Equipment Reserve	086908	010000	40,000.00
Physical Facility Equipment Reserve	086909	010000	(172,158.30)
Police Equipment Reserve	086910	010000	(1,887.77)

The Ohio State University  
Board of Trustees

Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Account Number	Transfer From A/C Number	Amount
<b>Renewal and Replacement Funds -</b>			
<b>Repairs and Replacements</b>			
Traffic & Parking Equipment Reserve	086911	016007	35,000.00
Food Facility Equipment Reserve	086912	014006	28,300.00
Stores Equipment Reserve	086913	014001	41,000.00
Printing Facility Equipment Reserve	086916	014002	700,000.00
Transportation Equipment Reserve	086917	010000	(1,000.00)
Bookstore Equipment Reserve	086918	016003	486,000.00
Telephone Equipment Reserve	086919	014007	413,674.00
Physical Facility Reserve	086920	010000	(171,103.46)
Fire Prevention Equipment Reserve	086923	010000	14,908.00
HC #1 Equipment Reserve	086924	016101	9,000.00
HC #2 Equipment Reserve	086925	016102	4,000.00
University Property Equipment Reserve	086926	016300	13,000.00
Endowment Property Equipment Reserve	086927	016350	87,600.00
N. Campus Apartment Equipment Reserve	086928	016390	2,000.00
Property Management Equipment Reserve	086929	016015	17,000.00
University Property Improvement Reserve	086930	016300	82,500.00
Endowment Property Improvement Reserve	086931	016350	96,400.00
N. Campus Apartment Improvement Reserve	086932	016390	4,000.00
HC #1 Improvement Reserve	086933	016101	21,000.00
HC #2 Improvement Reserve	086934	016102	135,500.00
Bookstore Improvement Reserve	086937	016003	6,000.00
Food Facility Improvement Reserve	086940	014006	200,000.00
Mail Service Equipment Reserve	086941	014027	21,200.00
Property Management Major Improvmt Resrv	086942	016015	4,400.00
Accounts Payable Equipment Reserve	086954	010000	48,750.00
Printing Facility Improvement Reserve	086957	014002	200,000.00
Ohio Union Improvement Reserve	086963	016020	(105,765.00)
Transportation Reserve	086964	010000	64,870.00
Transportation Reserve	086964	016007	200,000.00
Lantern Equipment Reserve	086968	011081	96,341.78
Repographics Equipment Reserve	086969	014015	110,000.00
Repographics Equipment Reserve	086969	014030	249,700.00
Public Safety Equipment Reserve	086971	010000	5,830.00
Registrar Equipment Reserve	086975	010000	50,000.00
OUB Equipment Reserve	086980	010000	70,000.00
Finance Equipment Reserve	086982	010000	191,700.00
IRCC Equipment Reserve	086983	010000	(435,000.00)
Recreation/Intramural Equip Reserve	086984	010000	55,000.00
Student Affairs - Equipment Reserve	086985	010000	76,851.23

The Ohio State University  
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Non-Mandatory Transfers from Current Funds  
Fiscal Year 1989-1990

Account Description	Account Number	Transfer From A/C Number	Amount
<b>Renewal and Replacement Funds - Repairs and Replacements</b>			
Student Affairs - Equipment Reserve	086985	016020	5,460.75
University Systems Equipment Reserve	086990	014033	100,000.00
University College Equipment Reserve	086992	010000	50,000.00
University Hospital Capital Equipment	086995	010000	(24,000.00)
University Hospital Capital Equipment	086995	019000	2,411,172.91
University Hospital Capital Equipment	086995	033387	9,000.00
Veterinary Pathobiology	086996	010000	94,270.00
Veterinary Pathobiology	086996	015109	106,300.00
Total Repairs and Replacements			\$ 6,006,584.06
Total Transfers to Renewal and Replacement Funds			\$15,017,562.71
<b>Retirement of Indebtedness</b>			
1986 Debt Service Pool	087063	010000	(271,700.00)
1986 Debt Service Pool	087063	016007	226,298.88
1986 Debt Service Pool	087063	016019	174,973.32
1986 Debt Service Pool	087063	037772	(29,269.90)
Total Transfers to Retirement of Indebtedness			\$ 100,302.30
Total Transfers to Plant Funds			\$15,177,677.78
Grand Total Non-Mandatory Transfers From Current Funds			\$22,955,750.51



**APPENDIX XXXIV**

**Degrees Conferred at**

**THE OHIO STATE UNIVERSITY  
COMMENCEMENT CONVOCATION**

**December 7, 1990**

Page 594 Blank

## Commencement Speaker

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### **Stanley J. Aronoff** **Doctor of Laws**

As an energetic and committed public servant, Stanley J. Aronoff has devoted his considerable abilities to positioning Ohio as a leader in the areas of higher education, fine arts, and welfare reform.

A member of the Cincinnati law firm of Aronoff, Rosen & Stockdale, he has been a Republican state senator from the eighth district since 1967. Previously, he was a member of the Ohio House of Representatives from 1960 to 1966. Aronoff is currently president of the Ohio Senate.

A graduate of Harvard Law School, Aronoff focused his attention on higher education as a freshman representative and eventually became a leader in the movement for junior colleges, serving on the subcommittee that created the Community College Bill. He was also an active participant in the legislation that created the Ohio Board of Regents and the Ohio Student Loan Commission.

In 1965, Aronoff was instrumental in the establishment of the Ohio Arts Council. This council fosters a statewide cultural environment that attracts more business to the state. His experience and expertise in this field resulted in his being named the national chairman of the Arts, Tourism, and Cultural Resources Committee by the National Conference of State Legislatures in 1983. He has also served on the National Task Force for the Arts.

Aronoff has received numerous awards and recently received honorary degrees from the University of Cincinnati and Kent State University. Miami University awarded him its President's Medal, the Ohio Museums' Association named him "Museum Legislator of the Year," the American Physical Therapy Association named him "Man of the Year," and he received certificates of appreciation from the Ohio Farmers Union and the Sickle Cell Awareness Group of Greater Cincinnati, Inc. *Columbus Monthly* named him "one of the five best Ohio legislators" in 1988 and 1989. He received the Ohio Bar Association's Distinguished Service Award in 1986.

His commitment to the ideal of accessible higher education for all Ohioans makes Stanley Aronoff a particularly appropriate speaker for this commencement ceremony. Ohio State is honored to welcome him.

## Recipients of Honors

### Richard Armitage Distinguished Service Award

Richard Armitage's 35 years of service to Ohio State were distinguished by a high regard for scholarship, professionalism, and the value of personal communication.

Armitage received his bachelor's degree from Oberlin College and his master's and doctoral degrees from Ohio State, where he was designated a University Scholar in Romance Languages in 1940-41. He joined the Ohio State faculty in 1941 as an instructor in the Department of Romance Languages and rose to the rank of full professor, specializing in Spanish and Latin American studies. In 1955, he was named assistant dean of the College of the Arts and Sciences. In 1957, he assumed the duties of assistant dean of the Graduate School and became dean in 1963.

As dean, Armitage became deeply involved in the qualitative improvement of Ohio State's graduate programs, raising standards for both faculty and students. During his tenure, Armitage also brought Ohio State's University Press into prominence through his insistence on publishing selective scholarship in a high quality manner.

He served as the University's first ombudsman—a position that grew out of the campus turmoil of the late '60s and early '70s. The understanding he demonstrated in this position led to his appointment as Ohio State's vice president for student affairs in 1973.

Armitage is remembered not only for his sensitivity in dealing with the University community during troubled times, but also for his efforts to bring Ohio State's athletic programs up to higher academic standards.

In 1978, the Ohio State chapter of the American Association of University Professors honored Armitage with the first Nemzer Award, given each year to a member of the University community who has promoted and defended academic freedom.

Armitage took the position of vice chancellor for student services at the University of California at San Diego in 1978. By 1981, he became director of student academic services at the University of California at Los Angeles until his retirement.

At the time he left Ohio State, Armitage was hailed by President Enarson for his "vital role in the life of the University." Today, Ohio State is pleased to recognize that role with its Distinguished Service Award.

### Jack L. Beal Distinguished Service Award

As a dedicated researcher, committed teacher, and loyal alumnus, Jack L. Beal has served Ohio State in an outstanding manner.

Beal joined the faculty of Ohio State's College of Pharmacy in 1952, after receiving his bachelor's and master's degrees from the University of Kansas and his Ph.D. from Ohio State. During his 34-year tenure at the University, he pioneered research on antitumor, antihypertensive, antibiotic, and other types of biologically active constituents from plants. His research brought him international recognition in the field of natural product chemistry, and from 1977-84, he served as editor of the *Journal of Natural Products*.

Thousands of undergraduate pharmacy students have benefited over the years from Beal's skills as an educator. Many of his former students occupy distinguished positions as researchers and teachers around the world.

In 1961, as a Fulbright Fellow, Beal was visiting scientist at the University of Baghdad, and in 1976 he was visiting professor at the University of Munich. That same year, he was awarded honorary membership in the Egyptian Pharmaceutical Society. Among his many other honors are The Ohio State University Centennial Service Award, The Ohio State University Distinguished Alumni Award, Outstanding Educator of America, Research Achievement Natural Products Chemistry, honorary membership in the American Society of Pharmacognosy, and the Distinguished Economic Botanist Award.

In the latter stages of his academic career, Beal assumed administrative responsibilities as the College of Pharmacy's associate dean for graduate and research studies, the position he held at his 1986 retirement. Throughout his long service to Ohio State and to the College of Pharmacy, Beal maintained a lively interest in the college's alumni. Through his initiative and commitment, he developed an energetic College of Pharmacy Alumni Association in which, as professor emeritus, he continues in an active role.

The Ohio State University proudly recognizes Jack L. Beal's enduring contributions to scholarship and alumni relations with the Distinguished Service Award.

## The Graduate School

Dean: Roy A. Koenigsnecht

### Doctor of Philosophy

**Luis Nelson Aguilera Alfred**,  
Santiago, Chile; B.S. (Universidad de Chile); M.S. (Universidad Catolica);  
*Agricultural Economics and Rural Sociology*  
Dr. Douglas H. Graham

**Mahmoud Ahmadi**, Saveh, Iran; B.A.  
(Jersey City State College); M.S.;  
*Agronomy*  
Dr. Donald J. Eckert

**Ann Louise Albright**, Foresthill, CA; B.A.  
(University of California at Davis); M.S.  
(California State University); *Health,  
Physical Education and Recreation*  
Dr. Timothy E. Kirby

**Hezab Thani Al Saadon**, Riyadh, Saudi  
Arabia; B.A. (Riyadh University); M.S.  
(Michigan State University);  
*Communication*  
Dr. Thomas A. McCain

**Pongpun Anuntavornich**,  
Bangkok, Thailand; Bachelor's  
(Chulalongkorn University); M.F.A.  
(Pratt Institute); *Art Education*  
Dr. Kenneth A. Marantz

**Dae-Hyun Baek**, Seoul, South Korea; B.A.  
(Seoul National University); M.A.;  
*Economics*  
Dr. Paul D. Evans

**Stokes Sidney Baker**, Reston, VA; B.S.  
(Davis and Elkins College); M.S. (College  
of Environmental Science and Forestry);  
*Molecular Genetics*  
Dr. Joseph C. Kamalay

**John Robert Philip Bartle**,  
Champaign, IL; B.A. (Swarthmore  
College); M.P.A. (University of Texas at  
Austin); *Public Policy and Management*  
Dr. Charles F. Adams

**Betty Jean Bartlett**, Columbus; B.S.  
(Northwestern University); M.S.;  
*Human Ecology*  
Dr. Jean T. Snook

**Farshad Bavariani**, Columbus; B.S.Ch.E.,  
B.A. (University of South Florida); M.A.;  
*Psychology*  
Dr. Liang-Shih Fan

**Thomas Edwin Becker**, Kirkwood, MO;  
B.A. (University of South Florida); M.A.;  
*Psychology*  
Dr. Richard J. Klimoski

**Sunil Bhatla**, Madras, India; B.S.Bus.Adm.  
(University of Madras); M.B.A. (West  
Virginia University); *Business  
Administration*  
Dr. Paul W. Miniard

**Dennis Patrick Bingham**, Columbus; B.A.;  
M.A. (New York University); *English*  
Dr. Morris Beja

**Dana Scott Bourgerie**, Minneapolis, MN;  
B.A. (University of Minnesota); M.A.; *East  
Asian Languages and Literatures*  
Dr. James H. Tai

**Raymond David Brown, Jr.**, Zanesville;  
B.A., M.A.; *English*  
Dr. Alan K. Brown

**Ana Hortensia Burghilea**, Columbus;  
Bachelor's (University of Bucharest); M.S.;  
*Industrial and Systems Engineering*  
Dr. Clark A. Mount-Campbell

**Jundao Cai**, Beijing, P.R.C.; B.S. (Nanjing  
University); M.S. (University of Illinois);  
*Physics*  
Dr. Fernand A. Hayot, Dr. Charles A. Ebner

**Changhe Chen**, Henan, P.R.C.; Bachelor's  
(Jiangsu Institute of Technology); M.S.;  
*Agricultural Engineering*  
Dr. Robert G. Holmes

**Chengyi Chen**, Yunan, P.R.C.; B.S.  
(Xiamen University); *Chemistry*  
Dr. David J. Hart

**Lin Chen**, Shanghai, P.R.C.; B.S., M.S.  
(Fudan University); M.S.; *Computer and  
Information Science*  
Dr. Timothy J. Long, Dr. Yaacov Yesha

**Miyoung Chun**, Seoul, South Korea; B.S.  
(Wright State University); *Molecular  
Genetics*  
Dr. Scott Falkenthal, Dr. Paul A. Fuerst

**Yong Ki Chung**, Ye San, South Korea;  
B.S. (Chung-Ang University); M.S. (Seoul  
National University); *Animal Science*  
Dr. Donald C. Mahan

**Roseann Colosimo**, Dayton; B.S.Nurs.  
(Saint John College of Cleveland); M.S.  
(Catholic University of America);  
*Education*  
Dr. Donald J. Tosi

**Donald Clifford Comeau**, Columbus; B.S.  
(Columbia Union College); *Chemistry*  
Dr. Isaiah Shavitt

**Christine Louise Cooper**, Lancaster, PA;  
B.S., B.S. (Elizabethtown College);  
M.L.H.R.; *Labor and Human Resources*  
Dr. Stephen M. Hills

**James Tilmon Dalton**, Franklin; B.S.Pharm.  
(University of Cincinnati); *Pharmacy*  
Dr. Jessie L. Au

**Andrew William Dangel**, Wadsworth;  
B.A. (Wittenberg University); M.S.;  
*Molecular, Cellular, and Developmental  
Biology*  
Dr. Ronald Glaser

**S. Todd Deal**, Statesboro, GA; B.S.  
(Georgia Southern College); *Chemistry*  
Dr. Derek Horton

**Karen Lee Dunnagan**, Macomb, IL; B.A.,  
M.A. (Indiana State University); *Education*  
Dr. Janet H. Hickman

**Patricia Enciso Edmiston**, Mechanicsburg;  
B.S.Ed.; Master's (University of Newcastle  
Upon the Tyne); *Education*  
Dr. Robert J. Tierney

**Annette Mitchell Ellis**, Atlanta, GA; B.S.  
(Morris Brown College); M.Ed. (Tuskegee  
University); *Agricultural Education*  
Dr. Janet L. Henderson

**Margaret L. Ellis**, Columbus; B.A.  
(Wilmington College); M.A.; *Health,  
Physical Education and Recreation*  
Dr. Armando J. Merola

**Grace A. Epstein**, Columbus; B.A. (Capital  
University); M.A.; *English*  
Dr. Barbara Hill Rigney

**Mesut Eren**, Ankara, Turkey; B.S.  
(Middle East Technical University);  
OSU Biochemistry Program  
Dr. Richard P. Swenson

**Michael Vaughn Esler**, Carbondale, IL;  
B.S., M.A. (Arizona State University);  
*Political Science*  
Dr. Lawrence A. Baum

**Cheryl Ann Estes**, Centerville;  
B.S.Nat.Res.; M.A.; *Health, Physical  
Education and Recreation*  
Dr. Seymour Kleinman

**Kimberly Maureen Ewing**,  
Wilmington, DE; B.A. (University of  
Missouri at Columbia); M.A.; *Psychology*  
Dr. Richard K. Russell

**Jia Su Fan**, Jiangsu, P.R.C.; B.S. (Tsinghua  
University); M.S.; *Welding Engineering*  
Dr. Chon L. Tsai

**Betty D. Fritz-Cook**, Hopkinsville, KY;  
B.S., M.S. (University of Kentucky);  
*Human Ecology*  
Dr. Lucy R. Sibley, Dr. Hazel O. Jackson

**Janet Schwartz Fulton**, Cincinnati; B.S.  
(College of Mount Saint Joseph); M.S.  
(University of Cincinnati); *Nursing*  
Dr. Grayce M. Sills

**Srinivasan K. Ganapathi**,  
Karnataka, India; B.Tech. (Indian Institute  
of Technology); M.S.; *Metallurgical  
Engineering*  
Dr. David A. Rigney

**Kenneth Lloyd Gilbertson**, Duluth, MN;  
Bachelor's M.Ed. (University of  
Minnesota); *Health, Physical Education and  
Recreation*  
Dr. Seymour Kleinman

**Elizabeth Gertsch Gray**, Granville; B.S.  
(University of California at Los Angeles);  
M.A.; *Education*  
Dr. Johanna S. DeStefano

**George Andrew Green IV**, Newton, NJ; B.A. (University of Pennsylvania);

*Microbiology*  
Dr. Julius P. Kreier

**Lawrence Joseph Gutkowski**, Parma; B.S.M.E., M.S., *Mechanical Engineering*  
Dr. Gary L. Kinzel

**Catherine Ruth Hardy**, Alliance; B.A. (University of Akron); M.F.A. (Columbia University); *English*  
Dr. Anthony P. Libby

**Robert Joyce Harrison**, Tyler, TX; B.A. (Moorhead State University); M.A. (University of Texas at Tyler); *History*  
Dr. Joseph H. Lynch

**Kenneth William Hinchcliff**, Victoria, Australia; Bachelor's (University of Melbourne); M.S. (University of Wisconsin at Madison); *Veterinary Physiology and Pharmacology*  
Dr. William W. Muir

**Renee Semonin Holleran**, Stow; B.S.N., M.S. (Kent State University); *Nursing*  
Dr. Edna M. Menke

**Hoon Hong**, Columbus; B.S. (Seoul National University); M.S.; *Computer and Information Science*  
Dr. George E. Collins

**Hsiau-Wen Huang**, Taiwan, Taiwan, R.O.C.; Bachelor's (National Taiwan University); *Chemistry*  
Dr. Alan G. Marshall

**John L. Isbell**, Hanna City, IL; B.A. (Augustana College); M.S. (Northern Illinois University); *Geology and Mineralogy*  
Dr. James W. Collinson

**Randy David Jacobs**, New York, NY; B.A., M.A. (Michigan State University); *Communication*  
Dr. Thomas A. McCain

**Jei Guk Jeon**, Seoul, South Korea; B.A. (Korea University); M.A.; *Political Science*  
Dr. R. William Liddle

**Zhihua Jiang**, Fujian, P.R.C.; B.S. (Jilin University); M.S.; *Physics*  
Dr. Charles A. Ebner

**Douglas Robert Johnson**, Ithaca, NY; B.S. (Rutgers State University); *Physics*  
Dr. Harris P. Kogan

**Randall Johnson**, El Paso, TX; B.S., M.Ed. (University of Texas at El Paso); *Health, Physical Education and Recreation*  
Dr. Daryl L. Siedentop

**Novis Keith Jolliff**, Columbus; B.S. (Southern Illinois University); *Molecular, Cellular, and Developmental Biology*  
Dr. Lee F. Johnson

**Michelle Marie Jones**, St. Louis, MO; B.S. (Southern Illinois University); *Chemistry*  
Dr. Matthew S. Platz

**Bruce L. Karp**, Upland, CA; B.A. (City University of New York); M.A.;

*Psychology*  
Dr. Andrew I. Schwebel

**John Edward Karras**, Columbus; B.A. (University of Akron); M.A.; *Education*  
Dr. Robert F. Rodgers

**Patrick Doyle Kent**, Westerville; B.S.Ed., M.A.; *Education*  
Dr. Marilyn N. Suydam

**Nabil Ibrahim Khachab**, Beirut, Lebanon; B.S.E.E., M.S. (University of Nebraska); *Electrical Engineering*  
Dr. Mohammed Ismail El-Naggar

**Salim Ahmad Khaldieh**, West Bekaa, Lebanon; B.A. (Labanese University); M.A.; *Education*  
Dr. Elizabeth B. Bernhardt

**Hyun Euy Kim**, Suwon, South Korea; B.A. (Korea University); M.A.; *Economics*  
Dr. Paul D. Evans

**Won-Joong Kim**, Seoul, South Korea; B.B.A. (Sung-Kyun-Kwan University); M.A.Pub.Adm. (Yonsei University); M.B.A. (Pace University); *Business Administration*  
Dr. David Myers

**Paula Jean Knight**, Columbus; B.A., M.A. (University of Evansville); *Education*  
Dr. Nancy L. Zimpher

**Sudhakar Kolli**, Vijayawada, India; B.M.E. (Andhra University); M.S.; *Welding Engineering*  
Dr. David W. Dickinson

**Virabrahma Prasad Krothapalli**, Oshkosh, WI; B.S. (Andhra University); M.S. (University of Madras); M.S. (Texas Technological College); *Computer and Information Science*  
Dr. P. Sadayappan

**Kinyue Albert Lai**, Hong Kong, Hong Kong; B.S.E.E., M.S.; *Electrical Engineering*  
Dr. Walter D. Burnside

**Emma Jean Lambert**, Columbus; B.A. (Sioux Falls College); M.A. (Tennessee Agricultural and Industrial State University); *Communication*  
Dr. Thomas A. McCain

**Lewis Lapine**, Cleveland; B.S., M.S.; *Geodetic Science and Surveying*  
Dr. Dean C. Merchant

**Steven Alan Lavender**, Columbus; B.A., M.A. (University of Montana); *Industrial and Systems Engineering*  
Dr. William S. Marras

**Philip Hong-Tat Law**, Hong Kong, Hong Kong; B.S.E.E. (Virginia Polytechnic Institute); M.S.; *Electrical Engineering*  
Dr. Prabhakar Pathak

**Kasinee Leamrasamee**, Bangkok, Thailand; B.A. (Thammasat University); M.A.; *Sociology*  
Dr. Kent P. Schuirian

**Hwang-Jaw Lee**, Tainan, Taiwan, R.O.C.; B.A. (Chung-Hsing University); M.B.A. (Tung-Hai University); *Agricultural Economics and Rural Sociology*  
Dr. Wen S. Chern

**Hyun Sook Lee**, Seoul, South Korea; Bachelor's, Master's (Sook Myung Women's University); *Human Ecology*  
Dr. Wayne A. Johnson

**Joon Yul Lee**, Seoul, South Korea; B.S., M.S. (Seoul National University); M.S.; *Welding Engineering*  
Dr. Chon Liang Tsai

**Yeonho Lee**, Seoul, South Korea; B.A., M.A. (Seoul National University); *Economics*  
Dr. Paul D. Evans

**Chun-Wu Roger Leng**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Computer and Information Science*  
Dr. Dik L. Lee

**Zhenmin Liang**, Nanning, P.R.C.; B.S. (Guangxi University); M.A. (Western Michigan University); *Chemistry*  
Dr. Alan G. Marshall

**Shuh-Yuan Liou**, Taipei, Taiwan, R.O.C.; B.S. (National Tsing-Hua University); M.S.; *Industrial and Systems Engineering*  
Dr. Richard A. Miller

**Shwu-Huey Liu**, Taipei, Taiwan, R.O.C.; B.S. (Soochow University); M.S.; *Chemistry*  
Dr. Matthew S. Platz

**Barbara Lee Loach**, Cedarville; B.A. (Cedarville College); M.A. (Bowling Green State University); *Spanish and Portuguese*  
Dr. Josephat Kubayanda

**Mark Lewis Lochstampfor**, Reynoldsburg; Bachelor's (Ohio University); M.A.; *Music*  
Dr. David M. Butler

**Yong Lu**, Anhui, P.R.C.; B.S. (University of Science and Technology); M.S.; *Physics*  
Dr. Bruce R. Patton

**Michael James Lydy**, Cincinnati; B.A. (Wittenberg University); M.S. (Miami University); *Zoology*  
Dr. Susan W. Fisher

**John Patrick Madden**, Columbus; M.A. (University of Washington); M.A.; M.A.; *Speech and Hearing Science*  
Dr. Laurence L. Feth

**Murali Manohar**, Madras, India; B.Tech., M.S. (Indian Institute of Technology); M.S.; *Interdisciplinary Programs*  
Dr. Bryan A. Wilde

**Terri Lee Marble**, Collins, NY; B.S. (Daemen College); M.A.; *Health, Physical Education and Recreation*  
Dr. Robert Hamlin

**Valerie Jane Martinez**, Denton, TX; B.S.Ed., M.P.A. (North Texas State University); *Political Science*  
Dr. Randall B. Ripley

**Fernando Mata**, Columbus; B.S. (Tecnologico de Monterrey); M.B.A. (American University); *Industrial and Systems Engineering*  
Dr. Charles H. Reilly

**Lynette Louise Mathur**, Carbondale, IL; B.S., M.B.A. (Southern Illinois University); M.A.; *Business Administration*  
Dr. Riad A. Ajami

**Gary Brian Mayton**, Hudson; B.S.Ed., M.A.; *Education*  
Dr. John C. Belland

**Deborah Ann McCarthy**, Alderwood Manor, WA; B.S. (Seattle University); M.S.; *Chemistry*  
Dr. Sheldon G. Shore

**Marleen Lee McClelland**, Blacklick; B.A. (Kent State University); B.S. (Marquette University); M.S.; *Education*  
Dr. Elsie J. Alberty, Dr. Judith L. Green

**James R. McCracken**, Spring Valley; B.S.Ed. (Ohio University); Master's (Western Washington State College); *Education*  
Dr. Robert W. Howe

**Scott Gary McGinnis**, Bowling Green; B.S. (State University of New York at Albany); M.A.; *East Asian Languages and Literatures*  
Dr. James H. Tai

**Kathryn Blocher McGrew**, Oxford; B.A. (Baldwin-Wallace College) M.S.W. (University of Denver); *Social Work*  
Dr. Virginia E. Richardson

**Murdick John McLeod**, West Fargo, ND; B.A. (Concordia College); M.S. (North Dakota State University); *Entomology*  
Dr. Roger N. Williams

**Gregory Harold Merriman**, Rochester, NY; B.S. (State University of New York at Buffalo); *Chemistry*  
Dr. David J. Hart

**Ana Carolina Mieres**, New York, NY; B.A. (Herbert H. Lehman College); M.S. (Duke University); *Education*  
Dr. Virgil E. Blanke

**Harry Birge Douglas Miller**, Alberta, Canada; B.S., M.Ed. (University of Alberta); *Psychology*  
Dr. Robert A. Bornstein

**Jeffrey Gibson Miner**, Columbus; B.S. (Muhlenberg College); M.S. (University of Virginia); *Zoology*  
Dr. Roy A. Stein

**Mahendra Kumar Misra**, Uttar Pradesh, India; B.Tech. (Indian Institute of Technology); M.S.; *Mechanical Engineering*  
Dr. Robert H. Essenhigh

**Steven A. Molnar**, Chicago, IL; B.S. (Northeastern Illinois State College); M.S. (University of Illinois); *Biochemistry*  
Dr. Elizabeth L. Gross

**James Daniel Monfort**, Columbus; M.S., D.V.M.; *Veterinary Preventive Medicine*  
Dr. Steen Bech-Nielsen

**Chibamba Bowa Mulenga**, Chinsali, Zambia; B.S.; M.S., M.S. (Case Western Reserve University); *Education*  
Dr. Marilyn N. Suydam

**Vasudeva S. Murthy**, Bangalore, India; B.Tech. (Indian Institute of Technology); M.S.; *Mechanical Engineering*  
Dr. Kenneth J. Waldron

**Douglas Ray Myers**, Upper Arlington; B.S.Ch.E., M.S.; *Chemical Engineering*  
Dr. James F. Davis

**Israel Najera, Jr.**, Brownsville, TX; B.S.Ed. (Texas Arts and Industrial University); Ed.M. (Harvard University); M.Ed. (Pan American University); *Psychology*  
Dr. Don M. Dell

**Edward Hon Khay Ng**, Singapore, Singapore; B.B.A. (University of Singapore); *Business Administration*  
Dr. Rene M. Stulz

**Vicki Lynn Nienaber**, Vine Grove, KY; B.S. (University of Kentucky); *Chemistry*  
Dr. Lawrence J. Berliner

**Zaesung No**, Chung Nam, South Korea; B.S. (Hannam University); M.S. (Seoul National University); *Chemistry*  
Dr. Derek Horton

**Carol E. Osborn**, Bexley; B.S. (Mercy College of Detroit); M.S. (State University of New York at Buffalo); *Education*  
Dr. William Loadman II

**Laura Lohman Padolik**, Cedar Hill, MO; B.S. (Saint Louis University); *Chemistry*  
Dr. Andrew A. Wojcicki

**Keith Craig Pepperell**, Chelmsford, England; M.A. (University of Western Ontario); M.Ed. (University of Sussex); M.A.; *Education*  
Dr. Richard N. Pratte

**Peggy Ann Plato**, San Jose, CA; B.S. (San Jose State University); M.S. (University of Arizona); *Health, Physical Education and Recreation*  
Dr. David R. Lamb, Dr. William M. Sherman

**Richard Lynn Poling**, Van Wert; B.S.Nat.Res., M.S.; *Agricultural Education*  
Dr. Emmalou VanTilburg Norland

**Beth Marie Potter**, New Lexington; B.A. (Ohio University); M.A.; *Psychology*  
Dr. John P. Bruno

**Anne K. Powers**, Columbus; B.S.H.E., M.A.; *Health, Physical Education and Recreation*  
Dr. Barbara A. Nelson

**Sudhakar Loganatha Rajulu**, Madras, India; B.E. (University of Madras); M.S.; *Industrial and Systems Engineering*  
Dr. William S. Marras

**Jagannathan Ramanujam**, Tamilnadu, India; B.Tech. (Indian Institute of Technology); M.S.; *Computer and Information Science*  
Dr. P. Sadayappan

**Stephanie Anya Richardson**, Cookeville, TN; B.A. (University of Akron); M.A.; *English*  
Dr. Edward P. J. Corbett

**Doris D. Ridgeway**, London, KY; B.S. (Morehead State University); M.Ed. (Ohio University); *Education*  
Dr. Judith L. Green

**Celestene Robb**, Stony Creek, VA; B.A. (University of Virginia); M.S.W. (University of Pittsburgh); M.Div. (Pittsburgh Theological Seminary); *Social Work*  
Dr. Joseph J. Parnicky

**Derrick Keith Rollins**, Kansas City, MO; B.S. (University of Kansas); M.S., M.S.; *Chemical Engineering*  
Dr. James F. Davis

**Patricia Louise Scharer**, Marion; B.S.Ed., M.A.; *Education*  
Dr. Virginia G. Allen

**Karen Mabo Schottenstein**, Evergreen, CO; B.A., M.S.; *Psychology*  
Dr. Henry Leland

**Kristine Ann Scordo**, Loveland; B.S.N. (University of Cincinnati); M.S.; *Nursing*  
Dr. Mary G. MacVicar

**Chwen Sheu**, Taipei, Taiwan, R.O.C.; Bachelor's (National Chung Hsing University); M.S. (Iowa State University of Science and Technology); *Business Administration*  
Dr. Leroy J. Krajeuski

**Jesse Chen Shu**, Hualien, Taiwan, R.O.C.; B.S. (National Chiao-Tung University); M.S. (University of South Carolina); *Computer and Information Science*  
Dr. Ming T. Liu

**Jeffrey Walden Shultz**, Albion, MI; B.S. (Michigan State University); M.S. (Ohio University); *Zoology*  
Dr. Barry D. Valentine

**Asish Kumar Sinha**, Calcutta, India; B.E. (Jadavpur University); M.E. (Indian Institute of Science); M.S.; *Metallurgical Engineering*  
Dr. Yogeshwar Sahai

**Efthimios M. C. Skoulakis**, Athens, Greece, B.S. (University of Toledo); *Molecular Genetics*  
Dr. Scott Falkenthal, Dr. Lee F. Johnson

**John Warner Steinberg**, St. Louis, MO; M.A., M.A. (University of Kansas); *History*  
Dr. Allan K. Wildman

**Teresa Rose Stojkov**, Wooster; B.A., M.A.; *Spanish and Portuguese*  
Dr. Jaime Giordano

**Mehran Tadjfar**, Tehran, Iran; B.S. (Northeastern University); M.S. (Case Western Reserve University); *Aeronautical and Astronautical Engineering*  
Dr. Richard J. Bodonyi

**Laurel Ratcliff Talabere**, Columbus; B.S.Nurs. (University of Connecticut); M.S., M.A.; *Health, Physical Education and Recreation*  
Dr. Moon S. Chen

**Andrew William Taylor**, Madison, WI; B.S. (University of Wisconsin); M.S.; *Microbiology*  
Dr. Richard F. Mortensen

**Robert Dale Tocheff**, Mt. Vernon, B.A. (Olivet Nazarene College); M.Mus. (Wright State University); *Music*  
Dr. James E. Major

**R. Elaine Todaro**, Cincinnati; B.S. (Illinois State University); M.A.; *Health, Physical Education and Recreation*  
Dr. Seymour Kleinman

**Sally Olin Tretthwey**, Howard; B.S.Ed. (Capital University); M.A.; *Education*  
Dr. John C. Belland

**Ralph Joseph Turner**, Columbus; B.A. (University of Texas at San Antonio); M.A.; *Psychology*  
Dr. Lyle D. Schmidt

**Shaopeng Wang**, Tianjin, P.R.C.; B.S. (Nankai University); *Chemistry*  
Dr. John S. Swenton

**Weicheng Wang**, Kaohsiung, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S. (National Taiwan University); *Welding Engineering*  
Dr. Stanislaw I. Rokhlin

**Lannie Roy Welch**, Uhrichsville; B.S., M.S.; *Computer and Information Science*  
Dr. Bruce W. Weide

**Michael Thurman Wheeler**, Columbus; B.S., M.S. (University of Toledo); *Chemistry*  
Dr. Harold Shechter

**Thomas Andrew Winters**, Columbus; B.S. (Michigan State University); *Medical Microbiology and Immunology*  
Dr. Marshall Williams

**Ming-shih Wong**, Kaohsiung, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S.; *Ceramic Engineering*  
Dr. Eric R. Kreidler

**Peter David Woodlock**, Hudson; B.S.Bus.Adm. (Youngstown State University); M.A.; *Accounting and Management Information Systems*  
Dr. Thomas J. Burns

**Dinah Marilyn Wright**, Dublin; B.S. (Texas Woman's University); M.A.; *Education*  
Dr. Roger T. Cunningham

**Wei-Tsu Wu**, Worthington; B.S.M.E. (National Taiwan University); M.S., M.S. (University of Michigan); *Industrial and Systems Engineering*  
Dr. Taylan Altan, Dr. R. Allen Miller

**Pamela S. Wurgler**, Tiffin; B.A. (Baylor University); M.Mus. (University of Cincinnati); *Music*  
Dr. James E. Major

**Ting-Kang Xia**, Shaanxi, P.R.C.; B.S. (Peking University); M.S.; *Physics*  
Dr. David G. Stroud

**Yining Xia**, Dalian, P.R.C.; B.S., M.S. (Jilin University); *Mathematics*  
Dr. Henry H. Glover

**Qiang Xue**, Jiangsu, P.R.C.; B.S., M.S. (Nanjing University); *Welding Engineering*  
Dr. Laszlo Adler

**Choong Don Yoo**, Seoul, South Korea; B.S. (Seoul National University); M.S. (Korea Advanced Institute of Science and Technology); *Welding Engineering*  
Dr. Richard W. Richardson

**Zhaopie Zeng**, Shanghai, P.R.C.; B.S. (East China Normal University); *Chemistry*  
Dr. Heinz G. Floss

**Dewei Zhu**, Jiangsu, P.R.C.; B.S. (Northeast Institute of Technology); M.S. (University of Alberta); M.S.; *Metallurgical Engineering*  
Dr. Yogeshwar Sahai

**Yahui Zhu**, Shaanxi, P.R.C.; B.S. (North Western Telecommunications Engineering Institute); M.S.; *Computer and Information Science*  
Dr. Mohan L. Ahuja

**Yang Zhu**, Beijing, P.R.C.; B.S. (Peking University); M.S.; *Physics*  
Dr. Gregory Lafyatis, Dr. Randall D. Knight

## Master of Applied Statistics

**Nannette Dior Benbow**, Jalisco, Mexico; B.S. (Universidad Nacional Autonoma de Mexico); *Statistics*

**Dah-Yuhn Duan**, Taipei, Taiwan, R.O.C.; B.A. (National Chung-Hsing University); M.A.; *Statistics*

**Gary Thomas Hoehn**, Ottawa; B.S. (GMI Engineering and Management Institute); *Statistics*

**Md. Ohidul Islam Siddiqui**, Mymensing, Bangladesh; M.A., M.S. (Jahangirnagar University); M.S. (University of London); *Statistics*

**James Ray Wirtley**, Seven Mile; B.S.; *Statistics*

## Master of Architecture

**Beatrice Bruscoli**, Rome, Italy; Laurea (University La Sapienza); *Architecture*

**Donald Merle Durst**, Akron; B.S.Arch. (University of Maryland); *Architecture*

**Paul Alexander Lenz**, San Francisco, CA; B.S. (Bowling Green State University); *Architecture*

**Michael Herbert Lutsch, Jr.**, Salem; B.S.Arch.; *Architecture*

**Mark Andrew Noltmier**, Columbus; B.S.M.E.; *Architecture*

**Brian Joseph Sell**, Galena; B.S.Arch.; *Architecture*

**Joaquin Serantes**, Surfside, FL; B.S.Arch.; *Architecture*

**Erika Piper Voss**, Chicago, IL; B.A. (University of Illinois); *Architecture*

**Charissa Y. Wang**, Bethesda, MD; B.S.Arch. (University of Maryland); *Architecture*

## Master of Arts

**Kamel A. M. Abdallah**, Beirut, Lebanon; B.A. (American University of Beirut); M.A. (American University); *Business Administration*

**Ismail Bin Abdulatif**, Malaysia; B.S.Agr., M.S.; *Economics*

**John Charles Addington**, Orient; B.A. (Otterbein College); *Education*

**Aref Aghaei-Hervani**, Columbus; B.A. (University of South Carolina); *Economics*

**Jennifer Louise Anderson**, Maumee; B.S.Ed. (Miami University); *Education*

**William W. Appel**, Reynoldsburg; B.A.; *English*

**Cathie Lynn Atkinson**, Columbus; B.S. (State University of New York at New Paltz); *Psychology*

**Jill Margaret Baltes**, Piqua; B.S. (Ohio University); *Journalism*

**Gay Cindy Melliza Benedicto**, Manila, Philippines; B.A. (Ateneo de Manila University); *Journalism*



**Ma. Alexandrina Regalado Benedicto**, Iloilo City, Philippines; B.A. (University of the Philippines); *Communication*

**Karen Utzinger Bentley**, Grove City; B.S.Ed.; *Education*

**Renee Denise Bessick**, Mansfield; B.S. (Rio Grande College); *Education*

**Maureen Carmen Anne Bittner**, Gahanna; B.A. (Capital University); *Spanish and Portuguese*

**Stanley James Blevins**, Columbus; B.A.; *English*

**Alice Yvonne Boyd**, Mansfield; B.S.Ed.; *Education*

**Tammie Lilly Brentlinger**, Lorain; B.S.Ed. (Kent State University); *Education*

**Teishya Roshawn Brooks**, Port Arthur, TX; B.A. (Prairie View Agricultural and Mechanical University); *Journalism*

**Rebecca Ann Brown**, Columbus; B.A. (Ohio Northern University); *Speech and Hearing Science*

**Sean Michael Brunetti**, Warren; A.B. (Youngstown State University); *Business Administration*

**Carole Jean Bush**, Columbus; B.A.; *Education*

**Deborah Sue Camp**, Grove City; B.S.Ed.; *Education*

**Brent Alan Carney**, Dublin; B.S.Ed. (University of North Dakota); *Education*

**Sam-Gwang Cho**, Taegu, South Korea; B.A., M.A. (Yeungnam University); *Economics*

**Cheng-Cheng Chuang**, Kaohsiung, Taiwan, R.O.C.; B.A. (Chinese Culture University); *Photography and Cinema*

**Rebecca Aleen Cline**, Columbus; B.A. (University of California at Santa Barbara); *English*

**Angela Louise Cloud**, Medina; B.A. (Miami University); *Health, Physical Education and Recreation*

**Susan Marie Connor**, Elgin, IL; B.A. (Northern Illinois University); *English*

**Linda E. Cooper**, Cleveland; B.S.Soc.Wel.; *Communication*

**Carla Corroto**, Youngstown; B.S.Arch.; M.Arch. (University of Illinois); *Sociology*

**Jeanette Lou Cox**, Mansfield; B.S.Ed. (University of Akron); *Education*

**Shareen June Crabbs**, Columbus; B.S.Ed.; *Education*

**Theresa Lynn Craycraft**, Marion; B.S.Ed. (Kent State University); *Education*

**Curtice K. Cultice**, Columbus; B.S. (Bowling Green State University); *Journalism*

**Kaye Michele Darling**, Columbus; B.F.A.; *Art Education*

**Tammy Ellen Davis**, Columbus; B.S. (Concord College); *Education*

**Donald Joseph Decaprio**, Cleveland; B.S.Ind.Des.; *Industrial Design*

**Linda Arleen DeShetler**, Columbus; B.S.; *Education*

**Leta Sumner Deyerle**, Hiltons, VA; B.S. (Radford College); M.Ed. (Boston University); *Journalism*

**James Adrian Dias**, Manama, Bahrain; B.S. (Northern Michigan University); *Communication*

**Edward Lowell Dininger**, Tiffin; B.A. (Southern Missionary College); *Education*

**Frederick Loye Donelson**, Gahanna; B.A. (Otterbein College); *Education*

**Sunny Danison Ekpo**, Akwa Ibom, Nigeria; B.S.Bus.Adm. (Paine College); M.Div. (Methodist Theological School); *Black Studies*

**Sandra Marie Fabyan**, Grove City; B.A. (Franklin University); *Education*

**Holly Hartman Finnegan**, Hebron; B.S.Ed.; *English*

**John Murray Fischer**, Worthington; B.S.Ed. (Bowling Green State University); *Education*

**Karen Young Fleeman**, Columbus; B.Mus.Ed.; *Education*

**James Paul Francis**, Warren; *English*  
**Gil Ben Fried**, Palto Alto, CA; B.S.Bus.Adm. (California State University); *Health, Physical Education and Recreation*

**Khedija Gadhoun**, Tunis, Tunisia; Maitrise (University of Tunis); Certificate (Complutense University); Certificate (University Autonoma de Madrid); *Spanish and Portuguese*

**Philip Robert Gegner**, Columbus; B.F.A. (Wheaton College); *French and Italian*

**Kathleen Joan Gibson**, Maple Heights; B.A. (Kent State University); *Industrial Design*

**Valerie Lynne Girard**, Los Angeles, CA; B.S. (University of California at Los Angeles); *Health, Physical Education and Recreation*

**Hymavathi Gollamudi**, Secunderabad, India; Bachelor's (Osmania University); M.A. (University of Hyderabad); *Economics*

**Murat Gonenger**, Istanbul, Turkey; B.A. (University of Istanbul); *Business Administration*

**Amy Marie Goodburn**, Columbus; B.A. (Miami University); *English*

**Dannon George Green**, Gaithersburg, MD; B.A. (Marycrest College); *Art Education*

**Shaula Gurari**, Haifa, Israel; B.A. (University of Haifa); *Education*

**David Stewart Haberman**, Marion; B.A. (Albion College); *Education*

**John Philip Harshbarger**, Riverside, CA; B.S. (University of California at Davis); *Psychology*

**Hua He**, Beijing, P.R.C.; Bachelor's (Beijing Institute); *Health, Physical Education and Recreation*

**Jeanne Anne Klak Hey**, London; B.A. (Bucknell University); *Political Science*

**Veronica Clare Horton**, Columbus; B.S.Bus.Adm.; *Business Administration*

**Debra Kay Howe**, Lima; B.S.Ed.; *Education*

**Ingrid Nicholson Hubbard**, Galloway; B.F.A. (Columbus College of Art and Design); *Journalism*

**William Eugene Hughes**, Columbus; B.A.; *English*

**Cyril Kenrick Hunte**, Georgetown, Guyana; B.S., M.S. (Utah State University); *Economics*

**Laurie Jean Johnson**, Marion; B.S.Ed.; *Education*

**Sangjoon Jun**, Seoul, South Korea; B.A. (Hong-Ik University); *Economics*

**Rosemary Kalapurakal**, Kerala, India; B.A. (University of Madras); M.A.; *Economics*

**Nicholas Andrew Kaldis**, Athens, B.A. (Ohio University); M.A. (Purdue University); *East Asian Languages and Literatures*

**Regine Bouchard Kern**, Reims, France; B.A., M.A. (Université de Lyon II); *French and Italian*

**Paul Joseph Kijinski**, Garfield Heights; B.A. (Oberlin College); *English*

**Sam-Ryang Kim**, Pusan, South Korea; B.A. (Pusan National University); *Economics*

**Natasha Rochelle King**, Marion Station, MD; B.A. (Johnson C. Smith University); *Journalism*

**Louise Utgard Konrath**, Columbus; B.S.Ind.Des.; *Industrial Design*

**Ronald Koval**, Columbus; B.S. (Southern Connecticut State University); M.A. (University of Northern Colorado); *Education*

- Margaret Irene Kruckemeyer**, Xenia; B.S. (University of Missouri); M.S. (University of Washington); *Health, Physical Education and Recreation*
- Patry Jane Kuun**, Columbus; B.S.Ed.; *Health, Physical Education and Recreation*
- Lynn Marie Kuzma**, Youngstown; B.A. (Bowling Green State University); *Political Science*
- Linda Kay Lentz**, Columbus; B.S.Ed.; *Education*
- April Joan Lerner**, Powell; B.A.; *Education*
- Beth Renee Level**, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Sherry Jenq-Yunn Mou Lidaka**, Taoyuan, Taiwan, R.O.C.; B.A. (Fujen Catholic University); M.A. (Northern Illinois State University); *East Asian Languages and Literatures*
- Huichuan Liu**, Taipei, Taiwan, R.O.C.; B.A. (National Cheng Chi University); *Communication*
- Robert Paul Louie**, Belton, TX; B.S.Bus.Adm. (West Virginia State University); *Communication*
- Hanna Jadwiga Lukowicz-Armstrong**, Columbus; Diploma (University of Gdansk); *Slavic and East European Languages and Literatures*
- Lynette Lori Macer**, Worthington; B.A. (Howard University); *Journalism*
- Maurya MacNeill**, Columbus; B.A. (Davidson College); *Psychology*
- Sarah Eleanor Magill**, Upper Arlington; B.A. (University of Notre Dame); *Journalism*
- Patrick Joseph Malherek**, Powell; B.S. (University of Notre Dame); *Public Policy and Management*
- John Guy Marushok**, Whitehall, PA; B.A. (University of Iowa); *Health, Physical Education and Recreation*
- Robert James McCallum**, Cape Town, Union of South Africa; B.A. (Cape Town University); Bachelor's (University of Bophuthatswana); *Art Education*
- Jean Lamb McKenzie**, Columbus; B.S.Bus.Adm. (Franklin University); *Public Policy and Management*
- Lisa A. Mendenhall**, Cincinnati; B.Ed. (University of Toledo); *Health, Physical Education and Recreation*
- Susan Marie Meyer**, Columbus; B.A. (Wittenberg University); *English*
- Carlton Joe Mexiere**, Columbus; B.S. (East Central State College); *Health, Physical Education and Recreation*
- Heidi Slominski Milan**, Cleveland; B.A. (Ohio University); *Education*
- Gail J. Miller**, Powell; B.F.A.; *Journalism*
- Suzanne Robertson Miller**, Dayton; B.A.; *Education*
- Tawyna Lynne Miller**, Galion; B.S.Nurs.; *Health, Physical Education and Recreation*
- Gwendolyn Denise Mitchell**, Atlanta, GA; B.B.A. (Georgia State University); *Education*
- David K. Morris**, Mentor; B.S.Bus.Adm.; *Health, Physical Education and Recreation*
- Jacqueline Beth Morris**, Toledo; B.F.A.; *Education*
- Mary Jo Myers**, Reynoldsburg; B.A. (Thomas More); M.A. (Xavier University); Ph.D.; *Education*
- Eliza Navarro**, Mission, TX; B.A. (Pan American College); *English*
- Lawrence Bruce Necowitz**, Philadelphia, PA; B.A. (University of Pennsylvania); *Psychology*
- Lori Ann Nedelco**, Woodville; B.A. (Heidelberg College); *Spanish and Portuguese*
- Margaret Gentry Neff**, Columbus; B.A. (Trevecca Nazarene College); *English*
- Mary Ellen Neill**, Columbus; B.A. (University of Kansas); *Speech and Hearing Science*
- Patricia Vance Nelson**, Dublin; B.S.Ed. (Ohio Dominican College); *Education*
- Steven Monroe Neumann**, Crestline; B.A.; *Communication*
- Stephen Philip Nichols**, Albuquerque, NM; B.A. (University of Tennessee); M.A. (University of New Mexico); *Linguistics*
- Patricia Leveque Niehoff-Smith**, Bexley; B.A. (Smith College); *Judaic and Near Eastern Languages and Literatures: History*
- Deborah Cline North**, Grove City; B.Mus. (Capital University); *Art Education*
- Jozef Noel Marie Ostyn**, Gent, Belgium; Licentiaat (State University at Gent); *History*
- Robert S. Owen**, Johnstown; B.A. (Park College); M.A. (Central Michigan University); *Business Administration*
- Susan Olga Pappas**, Wadsworth; B.A. (University of South Florida); *Journalism*
- Hoan-Jae Park**, Kang-Rung City, South Korea; Bachelor's, M.A. (Kyung-Pook National University); *Economics*
- Faith Ann Pencil**, Springfield; B.A. (Anderson University); *Music*
- Phyllis Ann Peterson**, Cleveland; B.S.; *Education*
- Rajai Jerjes Qusus**, Amman, Jordan; B.A. (Yamouk University); M.A.; *Business Administration*
- Michael Stuart Ritchie**, Grove City; B.A.; *English*
- Xin Ruan**, Quanzhou, P.R.C.; B.A. (Fujian Teachers College); *Education*
- Victoria Eugenie Sanchez**, Crowley, LA; B.A. (University of Southwestern Louisiana); *English*
- Mary Ann Schirtzinger**, Columbus; B.S.Ed. (Miami University); *Education*
- Adonica Ann Sendelbach**, Tiffin; B.A. (Grinnell College); *Slavic and East European Languages and Literatures*
- Karen Denise Shearer**, West Chester; B.S. (Georgetown College); *Communication*
- Patricia Anne Skidmore**, Marysville; B.A. (College of Wooster); *Journalism*
- Dawn Slack**, Upper Arlington; B.S.Ed.; *Spanish and Portuguese*
- Hugh Johnston Sloan III**, Columbus; B.A. (University of Maryland); M.B.A. (Baldwin-Wallace College); *Business Administration*
- Angela Renee Small**, Savannah, GA; B.A. (Savannah State College); *Music*
- Jonathan Conroy Smith**, Columbus; B.S. (Andrews University); *Education*
- Mark Aaron Smith**, Columbus; B.S.A.Hth.Prof.; *Education*
- Amy Havener Spencer**, Delaware; B.A. (College of Wooster); *Education*
- Elaine Starinchak**, Westerville; B.S. (Youngstown State University); *Education*
- Jennifer E. Sunseri**, Eugene, OR; B.A. (University of Oregon); *Slavic and East European Languages and Literatures*
- Meirav Tal**, Haifa, Israel; B.A. (Wingate Institute); *Health, Physical Education and Recreation*
- John Harper Taylor**, Wichita, KS; B.A. (Wichita State University); *Theatre*
- Joyce Lynne Thompson**, Tiltonville; B.S.Ed.; *Education*
- Bruce Seymour Tobin**, Bexley; B.A.; *Philosophy*
- Barbara Clark Tudas**, Columbus; B.A. (Pennsylvania State University); *Health, Physical Education and Recreation*
- Christopher Paul Tuohy**, Lakewood; B.S. (Emerson College); *Journalism*
- Suryanarayana Vanka**, Hyderabad, India; Diploma (National Institute of Design); *Industrial Design*
- Matthew Gerard Vosmik**, Lyndhurst; B.A.; *Communication*

**Margaret Anne Waterman**, Columbus; B.S. (Wright State University); *Psychology*

**David Christopher Waters**, Norfolk, VA; B.A. (Hampton University); *Health, Physical Education and Recreation*

**Linda Charles Wendi**, Grove City; B.S.Ed.; *Education*

**Leslie Lynne Williams**, Westerville; *Education*

**Teresa Denise Williams**, Hilliard; B.S. (Indiana University); *Journalism*

**Cathy Jean Wilson**, London; B.S.Ed.; *Education*

**Debra Lou Winegarten**, Dallas, TX; B.S. (Texas Women's University); *Sociology*

**Joel John Woller**, Columbus; A.B. (University of Chicago); *English*

**Jane Ellen Wright**, Dublin; B.S.Ed.; *Education*

**Chao-Chang Wu**, Taipei, Taiwan, R.O.C.; B.A. (Chung-Hsing University); *Photography and Cinema*

**Donald Lowell Yarnan**, Mt. Vernon; B.A. (Kent State University); *English*

**Catherine Diane Zarkos**, Columbus; B.S.Ed.; *Spanish and Portuguese*

**Cileine Izabel Zemetis**, São Carlos, Brazil; B.A. (Austin Peay State University); *Spanish and Portuguese*

## **Master of Business Administration**

**Maher Bitar**, Damascus, Syrian Arab Republic; Bachelor's (Damascus University); *Business Administration*

## **Master of City and Regional Planning**

**Sanjiv Gandhi**, Rajasthan, India; B.Arch. (Panjab University); *City and Regional Planning*

**Atul Gupta**, Nashville, TN; B.S.Bus.Adm., M.A.; *City and Regional Planning*

**Richard Paul Makley**, Columbus; B.S.Arch.; *City and Regional Planning*

**Yung-Tang Shen**, Hu-Wei, Yun-Lin, Taiwan, R.O.C.; B.Arch. (Feng-Chia University); *City and Regional Planning*

## **Master of Fine Arts**

**Pamela Macomber Gerber**, Westerville; B.F.A.; *Art*

**Carolyn Pryor Speranza**, Basking Ridge, NJ; B.F.A. (Carnegie-Mellon University); *Art*

## **Master of Health Administration**

**Melissa Ruth Kramer**, Cincinnati; B.A. (Lake Forest College); *Hospital and Health Services Administration*

**Nancy Christine Kafeld**, Ashland; B.Mus.Ed.; *Hospital and Health Services Administration*

## **Master of Labor and Human Resources**

**Karen Josephine Gannon**, Worthington; B.S. (University of Akron); *Labor and Human Resources*

**Kathleen Therese Gyuro**, Rochester, NY; B.A.; *Labor and Human Resources*

**Sherrill Elizabeth Moore**, Columbus; B.A. (University of Cincinnati); *Labor and Human Resources*

**Susan Margaret Rich**, Columbus; B.A.; *Labor and Human Resources*

**Terry Roy Satterfield**, Columbus; B.S.; *Labor and Human Resources*

**Stephen Patrick Schappe**, Grosse Pointe Park, MI; A.B. (University of Michigan); *Labor and Human Resources*

**Jasna Stankov**, Mansfield; B.A.; *Labor and Human Resources*

## **Master of Landscape Architecture**

**Ling-Ru Cheng**, Koahsiung, Taiwan, R.O.C.; Bachelor's (Tunghai University); *Landscape Architecture*

**David James Cunningham**, New Concord; B.S.Land.Arch.; *Landscape Architecture*

**Mark Thomas Rawdon**, Granville; B.A.; *Landscape Architecture*

## **Master of Liberal Studies**

**Bai Di**, Harbin, P.R.C.; B.A., M.A. (Heilongjiang University); *Liberal Studies*

**Valerie Sanders**, Grace, ID; B.S. (University of Utah); *Liberal Studies*

## **Master of Music**

**Anna Kwak**, Masan, South Korea; B.A. (Seoul National University); *Music*

**Jin-ho Lee**, Seoul, South Korea; B.A. (Ewha Women's University); *Music*

**Nye-Gin Gloria Yeh**, Taipei, Taiwan, R.O.C.; B.A. (Tunghai University); *Music*

## **Master of Public Administration**

**Jeffrey Allen Meiring**, St. Marys; B.A., M.L.H.R.; *Public Policy and Management*  
**James Ralph Weaver**, Grand Rapids; B.S.Bus.Adm.; *Public Policy and Management*

## **Master of Science**

**Frank N. Adelstein**, Bloomington, IN; B.S. (University of Michigan); *Computer and Information Science*

**Kumaran V. Anantaraman**, Madras, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

**Prarthana Jayant Aphale**, Bombay, India; B.S., M.S. (University of Bombay); *Veterinary Pathology*

**Daniel Eugene Applegate**, Columbus; B.S.W.E.; *Welding Engineering*

**Verra Atmatjidou**, Thessaloniki, Greece; Python (University of Thessaloniki); *Plant Pathology*

**Mark Anthony Atwater**, Columbus; B.S.E.E.T. (Devry Institute of Technology); *Computer and Information Science*

**Roshan Man Bajracharya**, Kathmandu, Nepal; B.S. (Kansas State University); *Agronomy*

**Michael Edward Bajzer**, Midland, MI; B.S.E.E. (University of Michigan); *Electrical Engineering*

**Deborah Ann Barnett**, Hilliard; B.S.Nurs. (University of Kentucky); *Nursing*

**Scott Miles Belcher**, Kalamazoo, MI; B.A. (Olivet College); *Molecular Genetics*

**Melissa Sue Bennett**, Tipp City; B.S.Nurs.; *Nursing*

**David Merrill Berg**, St. Louis, MO; B.S. (Michigan State University); *Geodetic Science and Surveying*

**Chris James Berge**, Columbus; B.S. (Texas Agricultural and Mechanical University); *Electrical Engineering*

**Nila Devi Bhakuni**, Copley; B.S.M.E. (University of Akron); *Mechanical Engineering*

**Nabeel Bitar**, Damascus, Syrian Arab Republic; B.S.E.E.; *Electrical Engineering*

**Mathew Alan Boesch**, Bryan; B.S.E.E.; *Electrical Engineering*

**Thomas Bruce Bridgeman**, Marblehead; B.S. (Miami University); *Zoology*

**David Grove Brown**, Cleveland; B.S. (Cornell University); *Electrical Engineering*

**Christy Mae Cavanagh**, Burton; B.S.Agr.; *Agricultural Economics and Rural Sociology*

- Leena Chakravarty**, Coochbehar, India; B.S. (Ranchi University); M.S. (University of Kalyani); *Plant Pathology*
- Yu-Chun Chang**, Tainan, Taiwan, R.O.C.; B.A. (National Taiwan University); *Human Ecology*
- Rohit Chawla**, New Delhi, India; B.S.C.I.S.; *Computer and Information Science*
- Caroline Y. Chen**, Dinghai, P.R.C.; B.S. (Shanghai Medical University); *Biomedical Engineering*
- Devi Nandita Choesin**, Bandung, Indonesia; B.S. (Bandung Institute of Technology); *Botany*
- Jarred Charles Crabb**, Hilliard; B.S. (Purdue University); *Computer and Information Science*
- Colleen Sue Crook**, Columbus; B.S.Nat.Res.; *Civil Engineering*
- Laurel Ann Danes-Webb**, Logan; B.A. (College of Wooster); *Nursing*
- Gloria Bartels Davis**, St. Paris; B.S.Phys.Thér.; *Allied Medical Professions*
- Laura Louise Depas**, Winterville; B.S.Nurs., Cert.Nurs.Anest.; *Allied Medical Professions*
- Mark Bradley Dittmar**, Lancaster; B.S. (Ohio University); *Ceramic Engineering*
- Gregory R. Dunnivant**, Columbus; B.S.Bus.Adm.; *Physiology*
- Adil Duroglu**, Mersin, Turkey; Bachelor's (Ankara University); *Agricultural Economics and Rural Sociology*
- Gail Elaine Edgington**, Middletown; B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Karen Eisenloffel**, Mansfield; B.S.Arch; *Civil Engineering*
- Susan Kay Frazier**, Gallipolis; B.S.Nurs.; *Nursing*
- Cynthia Kathleen Freeman**, Ashland; B.S.Nurs. (Case Western Reserve University); *Nursing*
- Jeffrey Thomas Freppon**, Cincinnati; B.S.Agr.; *Agronomy*
- Jiahn-Rong Gau**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Electrical Engineering*
- Curt Allen Gleason**, Cincinnati; B.S.; *Zoology*
- Anna Maria Guglielmo**, Youngstown; B.S. (Youngstown State University); *Pathology*
- Tae-Jun Ha**, Kwang-Ju, South Korea; B.S. (Dongguk University); *Civil Engineering*
- Bernard David Hansen**, Fuquay-Varina, NC; D.V.M. (Purdue University); *Veterinary Clinical Sciences*
- Raman Harishankar**, Madras, India; B.S., M.S. (Madras University); *Computer and Information Science*
- Lisa Ann Heimberger**, Worthington; B.S. (Western Michigan University); *Nuclear Engineering*
- Robert Michael Henke**, Carnegie, PA; B.S. (University of Pittsburgh); *Molecular Genetics*
- George Edward Higgins**, Columbus; B.A. (Shippensburg State College); *Geodetic Science and Surveying*
- Francis Kan Ho**, Shanghai, P.R.C.; B.Eng. (Shanghai University of Technology); *Metallurgical Engineering*
- Wei Ho**, Hsinchu, Taiwan, R.O.C.; Bachelor's (Chung-Yuan Christian University); *Civil Engineering*
- Vicky Nadine Humphrey**, Dublin; B.S.Al.Hth.Prof.; *Allied Medical Professions*
- Joan Marie Hurray**, Dublin; B.S.Nurs. (University of Cincinnati); *Nursing*
- Daniel Robert Johnson**, Columbus; B.S.C.E.; *Civil Engineering*
- Mark William Jones**, East Rochester, NH; B.S. (University of New Hampshire); *Agronomy*
- Mark Efthimios Juras**, Chicago, IL; B.S.; *Preventive Medicine*
- Ho-Shik Kang**, Pusan, South Korea; B.S. (Yonsei University); *Physics*
- Emily Kathugu Kanyua**, Nairobi, Kenya; B.A. (University of Nairobi); *Agricultural Economics and Rural Sociology*
- Mohammed Karamat**, Kenitla, Morocco; B.S. (École Nationale d'Agriculture Meknes); *Entomology*
- Deborah Ann Kegelmeyer**, Grandview Heights; B.S.Al.Hth.Prof.; *Allied Medical Professions*
- Melvina Keith**, Murrells Inlet, SC; B.S. (Voorhees College); *Food Science and Nutrition*
- Terry Lynn Kempton**, Chillicothe; B.S.Al.Hth.Prof.; *Allied Medical Professions*
- James Lloyd Kendall**, Fredericksburg, VA; B.A. (Virginia Polytechnic Institute); *Geodetic Science and Surveying*
- Loay Faisal Khartabil**, Damascus, Syrian Arab Republic; B.S.E.E. (University of Houston); *Nuclear Engineering*
- Sangchel Kim**, Seoul, South Korea; B.S. (Yonsei University); *Civil Engineering*
- Kate E. King**, Powell; B.S.Nurs. (University of Akron); *Nursing*
- Jeffrey Todd Knapp**, Columbus; B.S.Cer.E.; *Ceramic Engineering*
- Liang Seng Koh**, Singapore, Singapore; B.S.C.I.S. (National University of Singapore); *Computer and Information Science*
- Gery Tredinnick Kovatch**, Jacksonville Beach, FL; B.S. (University of Florida); M.A.; *Geology and Mineralogy*
- Vinod Vijayan Kumar**, Hyderabad, India; B.Eng. (Bharathidasan University); *Electrical Engineering*
- Tsung-Hui Kung**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*
- Frode Larsen**, Boardman; B.S.E.E.; *Electrical Engineering*
- Kangwon Lee**, Seoul, South Korea; B.S. (Yonsei University); *Civil Engineering*
- Pei Liu**, Yangmei, Taiwan, R.O.C.; B.S. (National Central University); *Civil Engineering*
- Kwok-hing Robert Luk**, Hong Kong, Hong Kong; B.S.; *Mathematics*
- Joseph Anthony Mamone**, Brooklyn; B.S.; *OSU Biochemistry Program*
- Roberta Knoderer Mansour**, Columbus; B.S.H.E.; *Human Ecology*
- Craig Timothy Miller**, Berlin; B.S.Met.E.; *Metallurgical Engineering*
- Mark Alan Miller**, Louisville; B.S.Agr.; *Agricultural Education*
- Laura Anne Monaghan**, Columbus; Bachelor's (Miami University); *Veterinary Preventive Medicine*
- John V. Moran**, Holtsville, NY; B.S. (Rochester Institute of Technology); *Molecular Genetics*
- Christopher Scott Morris**, Akron; B.A. (Ohio Wesleyan University); M.D. (Case Western Reserve University); *Radiology*
- Shailesh Vasant Muzumdar**, Gujarat, India; B.E. (University of Baroda); *Chemical Engineering*
- Satish Nagarajan**, Madras, India; B.Eng. (University of Madras); *Computer and Information Science*
- Rajalakshmi Nallasivam**, Madras, India; B.E. (Anna University); *Electrical Engineering*
- Mark Henry Nemeth**, Dublin; B.A., B.S.; *Mathematics*
- Ervin Franklin O'Bryan, Jr.**, Paintsville, KY; B.A. (Berea College); *Chemistry*
- Nestor Enrique Obispo**, Maracay, Venezuela; D.V.M. (Universidad Central de Venezuela); *Animal Science*
- Albert Park**, Oxford; B.S. (Miami University); *Electrical Engineering*

- Eunsung Park**, Seoul, South Korea; B.S. (Hong-Ik University); B.S.Cer.E.; *Ceramic Engineering*
- Donald D. Peasley**, Alpena, MI; B.S. (Michigan State University); *Agricultural Education*
- Norma Ana Pense**, Buenos Aires, Argentina; Diploma (Universidad de Buenos Aires); *Animal Science*
- William David Purdy**, Columbus; B.S. (Syracuse University); D.D.S. (State University of New York at Buffalo); *Dentistry*
- Mark Douglas Ray**, Hanover, PA; B.S. (Eastern Nazarene College); *Physics*
- Jagdish Hilary Diago Rebello**, Bombay, India; B.E. (Bombay University); *Mechanical Engineering*
- Kent Alan Reed**, Columbus; B.S.Agr.; *Agronomy*
- Wanda Juanita Reese-Kline**, Mansfield; B.S.Nurs.; *Nursing*
- Kerria Jensen Renken**, Manson, IA; B.A. (University of Northern Iowa); *Computer and Information Science*
- George Stewart Roadcap**, Lake Forest, IL; B.S. (University of Illinois); *Geology and Mineralogy*
- Andrea Bobbie Roast**, Van Nuys, CA; B.S. (University of California at Los Angeles); *Biomedical Engineering*
- Lesleigh Howe Robinson**, Akron; B.S.Nurs.; *Nursing*
- Hector Ricardo Rodriguez**, Buenos Aires, Argentina; (National University of La Plata); *Animal Science*
- Constance Elaine Vassar Roser**, Delaware; B.S.Nurs.; *Nursing*
- Nagy Michel Saba**, Damascus, Syrian Arab Republic; Cert.Med.Tech.; Bachelor's, Pharm.D. (Damascus University); *Pathology*
- Shantanu Sarkar**, Calcutta, India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*
- Steven Michael Scarborough**, Oak Ridge, TN; B.S. (Virginia Polytechnic Institute); *Electrical Engineering*
- Kathleen Parsons Schiciano**, Chesterland; B.S.H.E.; *Human Ecology*
- Arthur Carl Schultz**, Worthington; B.S. (Rose-Hulman Institute of Technology); *Mechanical Engineering*
- Loren James Schwiebert II**, Westerville; B.S.C.I.S. (Heidelberg College); *Computer and Information Science*
- Jun Shi**, Beijing, P.R.C.; B.S.C.I.S. (Beijing University); *Computer and Information Science*
- Wooyong Shin**, Seoul, South Korea; B.S. (Seoul National University); *Industrial and Systems Engineering*
- Paul Benson Silverstein**, Pittsburgh, PA; B.S. (Pennsylvania State University); *Electrical Engineering*
- Linda Slonknes**, South Amboy, NJ; B.S. (West Virginia University); *Aeronautical and Astronautical Engineering*
- Marchia Jocille Smith**, Durham, NC; B.S.C.I.S. (North Carolina Central University); *Computer and Information Science*
- Geovanny Solis-Fallas**, San Isidro, Costa Rica; B.S. (University of Costa Rica); M.A.; *Agricultural Economics and Rural Sociology*
- Eric Riley Sorrell**, Eaton; B.S.Agr.; *Animal Science*
- Paul Michael Spring**, Cleveland; B.A. (University of Michigan); *Pathology*
- Abraham E. Springer**, Fredericktown; B.A. (College of Wooster); *Geology and Mineralogy*
- Punam Srivastava**, New Delhi, India; B.S. (Saint John's University); *Pharmacy*
- Michael Lee Strobel**, Dublin; B.S.; *Geology and Mineralogy*
- Hua Su**, Beijing, P.R.C.; B.S. (Peking University); *Physics*
- Robin Michelle Sullivan**, Little Falls, NY; B.S. (Rochester Institute of Technology); *Natural Resources*
- Melisa Ann Takacs**, Columbus; B.S. (University of Dayton); *Chemistry*
- Sin Guan Tan**, Singapore, Singapore; B.S.E.E.; *Electrical Engineering*
- Mark David Tatgenhorst**, East Liverpool; B.S. (Youngstown State University); *Geodetic Science and Surveying*
- Paul Lewis Taylor**, Peoria, IL; B.S. (Millikin University); *Welding Engineering*
- Quinten Matthew Tift**, Mt. Pleasant, MI; B.S. (Central Michigan University); *Geodetic Science and Surveying*
- Vadakat Candadai Tirumalai**, Madras, India; Diploma (Osmania University); *Chemical Engineering*
- Hing Yan To**, Fresno, CA; B.S. (California State University-Fresno); *Electrical Engineering*
- Nigel Craig Trilk**, Leicester, England; B.S. (Brunel University); *Metallurgical Engineering*
- Lillian Popovich True**, Dayton; B.A. (Wittenberg University); *Zoology*
- Mehmet Uzunucu**, Seyoishir, Turkey; B.S., D.V.M., M.S. (University of Ankara); *Veterinary Physiology and Pharmacology*
- Laura Grace VanArsdale-White**, Wyoming; B.S.; *Preventive Medicine*
- Cynthia Claire Van Buren**, Worthington; B.A. (Wittenberg University); *Preventive Medicine*
- Ty Thomas Vaughn**, Seville; B.S. (Kent State University); *Entomology*
- Jin-Yuan Wang**, Kaohsiung, Taiwan, R.O.C.; B.S. (National Taiwan Normal University); *Zoology*
- Barbara Jones Warren**, Worthington; B.S.Nurs. (Otterbein College); *Nursing*
- Timothy Joe Weaver**, Columbus; B.S.Agr.; *Animal Science*
- Ivan Weisz**, Budapest, Hungary; Diploma (Lorand Eotvos); *Computer and Information Science*
- Mark Alan Weritz**, Dover, NH; B.S., B.S. (University of Kansas); *Civil Engineering*
- Patricia Denise White**, Atlanta, GA; B.S. (University of Georgia); D.V.M. (Tuskegee Institute); *Veterinary Clinical Sciences*
- David Lee Widrig**, Mt. Vernon; B.S.Agr.E.; *Agricultural Engineering*
- Lying Sein Wong**, Columbus; B.A. (Loyola Marymount University); *Industrial and Systems Engineering*
- Jerry Lee Woodruff**, Columbus; B.S.Ed.; M.S. (Northeastern University); *Chemistry*
- Jeffrey Earl Woollard**, Schaumburg, IL; B.S. (Eastern Illinois University); *Nuclear Engineering*
- Yu-Ping Xu**, Shanghai, P.R.C.; B.S. (University of Science and Technology of China); *Geology and Mineralogy*
- Pay-Jye Yang**, Keelung, Taiwan, R.O.C.; B.S. (Feng-Chia University); *Civil Engineering*
- Humberto Yibirin**, Los Teques, Venezuela; B.S. (Central University of Venezuela); *Agronomy*
- Yousef Yousefian Zadeh**, Columbus; D.D.D. (Tehran University); D.M.D. (Washington University); *Dentistry*
- Alan Lee Zeigler**, Huber Heights; B.S. (Miami University); *Industrial and Systems Engineering*
- Wei Zhang**, Shanghai, P.R.C.; B.S. (Jiao-Tong University); *Electrical Engineering*
- Danpiao Zheng**, Shanghai, P.R.C.; B.S. (Tsinghua University); M.A. (Sangamon State University); *Computer and Information Science*
- Patricia Ann Zullo**, North Olmsted; B.S.Food Sc.; *Food Science and Nutrition*

## Master of Social Work

Jeanette Rae Foster, Cleveland; B.A.  
(Capital University); *Social Work*

## Colleges of the Arts and Sciences

Chairman, Coordinating Council of  
Deans: Joan Huber

Associate Dean for Undergraduate Studies  
in Arts and Sciences: Robert M. Arkin

The Colleges of Arts and Sciences, a  
federation of five colleges, includes:

College of the Arts  
College of Biological Sciences  
College of Humanities  
College of Mathematical and Physical  
Sciences  
College of Social and Behavioral Sciences

## College of the Arts

Dean: Donald Harris

## Bachelor of Arts

Christopher William Andruss,  
Naperville, IL  
Wendy Kay Dolan, Columbus  
Robert Shawn Donat, Yellow Springs  
Mark Edmond Hallewell,  
London, England  
Jonathan Richard Johns, Columbus  
Mark Edward Klopfer, Columbus  
Julia Catherine Manning, Columbus  
Ronald William Martin, Columbus  
Don A. Milnor, Bowling Green  
David Stanley Pensak, Cincinnati  
Anne Elizabeth Riley, Worthington  
Shawn Sloves, Little Ferry, NJ  
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Douglas Lynn Wright,  
Farmington Hills, MI

## Bachelor of Fine Arts

Nicole Kay Aken, Fostoria  
Hak Jeong Chung, Kew Gardens, NY  
Raymond Paul Graber, East Southington  
Susan Renee Graham, Vandalia  
Patrick Howard Johnson, Columbus  
Debi Ray-Chaudhuri, Worthington  
Annette Reedus, Columbus  
Judith Meyer Swedlow, Columbus  
Ricki Sue Wasserstrom, Columbus  
Tim L. Westrud, Columbus

## Bachelor of Music

Stacie Virginia Boord, Marietta  
Joseph Craig Crabtree, Worthington  
Anne Patterson Seaton, Elm Grove, WI

## Bachelor of Art Education<sup>1</sup>

Terri Lynn Marshall, Eaton

## Bachelor of Art Education<sup>2</sup>

James Adam Bibler, Rawson  
Albert Colon, Bethlehem, PA  
Susan Geralynn Fisher, North Canton  
Susie Ann George, Mansfield  
Lori Groendyke-Knutti, Dublin  
Melissa Sue Harmeyer, Cincinnati  
Elizabeth Marie Jones, Lima  
Leslie Jean Kubishke-Koelsch, Lorain  
Eric Kenneth Meiners, Columbus  
Shari Ann Spayde, Butler  
Julie Ann Swetnam, Orient

## Bachelor of Music Education<sup>3</sup>

Brian Alan Belair, Gahanna  
Lori Lee Dill-Zinn, Westerville  
Scott Allen Heath, Lima  
Julia A. Pax, Coldwater  
John Michael Rundag, Columbus

## Bachelor of Science in Industrial Design

Brian T. Smith, Dublin

## College of Biological Sciences

Dean: Gary L. Floyd

## Bachelor of Arts

Mark Joseph Atanasoff, Columbus  
Peter James Doyle, Akron  
Randy Warren Ross, West Carrollton

## Bachelor of Science

Lisa Kay Babcock, Columbus  
Lianne Marie Corlett, Strongsville  
Karen Lee Courtad, Columbus  
Matthew Lee Cox, Pemberville  
Elizabeth DiSimone, North Canton  
Julianne Dorne, Columbus

<sup>1</sup>Offered by the College of the Arts

<sup>2</sup>Offered by the College of the Arts and  
the College of Education

Mark Edward Funk, Ravenna  
Steven David Gross, University Heights  
Susan Michelle Kretschmer, Oxford  
Henry Nicholas Kuntz III, Centerville  
Susan Michele Kutas, Mentor  
Leigh Ann Kutz, Beach City  
Jong Tae Lee, Seoul, South Korea  
Michelle Louise Link, Bellaire  
Timothy Allen Mahnk, Columbus  
Linda Marie McCart, Toronto  
Kelly Ann McCue, Westerville  
Omar Mobin-Uddin, Worthington  
Belinda Monte de Ramos, Barnesville  
Stephen Michael Santangelo, Columbus  
Stephanie Sue Scott, Newark  
Timothy Eugene Sigman, Bellbrook  
Evelyn Marie Smith, Columbus  
David Alan Tanner, Dublin  
Maria Jane Vetter, Columbus

## College of Humanities

Dean: G. Micheal Riley

## Bachelor of Arts

Kelsey Leigh Althouse, Columbus  
Mary Elizabeth Andrews, Lakewood  
Anne Martha Armstrong, Columbus  
David Michael Banbury, Bladensburg  
William Roger Barnhart, Norwalk  
Barbara Beatty Barresi, Columbus  
Bradley Jay Birch, Columbus  
Kevin William Bord, Akron  
Melissa Lynn Brennan, Columbus  
Theresa Lynn Brown, Kettering  
Lisa Marie Buchanan, Salem  
Paulina Marie Calderon, Toledo  
Susan Lynn Callaghan, Westerville  
Lashunya Dionne Chever, Columbus  
Michele Collins, Columbus  
Ignatius Pierre Dauchot,  
Cleveland Heights  
Kimberly Sue Davis, Middlebourne, WV  
Shirley Kaye Davis, Radnor  
Kirk Michael Downing, Marietta, GA  
Howard E. Eaton, Bucyrus  
Clyde Edwin Eynon, Columbus  
Michelle Marie Foss, Mansfield  
Emerson Colyer Foster, Toledo  
Julie Christine Franz, Pickerington  
Shaun H. Grimshaw, Centerville  
Lauren Ann Guroso, Columbus  
William Leis Hanna, Gahanna  
Tammy Consuela Harris, Columbus  
Mary Elizabeth Hite, Columbus  
Todd Allen Ichida, Fairview Park  
Damon Lee Johnson, Cleveland  
Mark Raymond Kayse, Columbus  
Traci Marie Lane, Sunbury  
Nikki Ann Long, Ludlow Falls  
Shon Richard Lutz, Niles  
Elizabeth Gene Marshall, Tiffin  
Michael Dane Martin, Columbus  
Gerard David McIntyre, Cincinnati  
Christopher James Mehling, Columbus  
Vicki Jo Michaelis, Columbus  
Kimberly Ann Miller, Lawrence, KS  
Kristie Lynn Miller, Columbus  
Anthony Molnar, Cleveland  
Anne Frances Moore, Findlay  
Deborah Star Moore, West Jefferson  
Carla Marie Pomeroy, Columbus  
Lana Jean Reasoner, Waldo  
Carolyn Marie Rehg, Dayton

Charles Edwin Roberts, Granville  
 Christina Marie Rocci, Louisville  
 Gregor Frank Rudl, Richmond Heights  
 Janet Elizabeth Rupert, Bellefontaine  
 Shawn Thomas Sams, Springdale  
 Lisa Ann Sereyka, Wilkes-Barre, PA  
 Jeffrey Lewis Swihart, Waldo  
 Stefani Lynn Talley, Dayton  
 Melissa Ann Vacca, Columbus  
 Karen Lynn Vanek, Aurora  
 Marie Elena Van Meter, Minford  
 Khushru Homi Wadia, Columbus  
 Joanna Lee Wallace, Cadiz  
 Barton John Weaver, Willoughby Hills  
 Mee Soon Yee Wong, Columbus  
 Robyn Lynn Woods, Commercial Point  
 Harold Kenneth Wright, Westerville

## College of Mathematical and Physical Sciences

Dean: C. William Kern

### Bachelor of Arts

David J. Blahnik, Columbus  
 Clifford Carlson Bowser, Smock, PA

### Bachelor of Science

Philip David Baden, Westerville  
 Ali Behaein, Worthington  
 Stacy Marie Bianchi, Delaware  
 James Lee Burroughs, Columbus  
 Donald I. Cho, Columbus  
 Philip H. Cichanowicz, Bucyrus  
 Ronald Alan Clegg, Worthington  
 Terry Duane Coates, Chillicothe  
 Costas Andrea Constantinou, Limassol, Cyprus  
 Tong Fang, Shanghai, P.R.C.  
 Mark Wladimir Gilicinski, Columbus  
 Eric Allen Hall, Columbus  
 Leigh Anne Hocutt, Berea  
 Eric Matthew Kress, Columbia Station  
 Bowen Lee, Columbus  
 Janine Frances Morgens, Columbus  
 Susan Renee Oliver, Chillicothe  
 Jeffrey David Pickett, North Canton  
 Christopher Patrick Rayo, Columbus  
 Wayne Kirk Schmidt, Columbus  
 Cristina Serrat, Columbus  
 Anthony David Stull, Mansfield  
 David Francis White, Bethlehem, PA  
 Mee Soon Yee Wong, Columbus

## College of Social and Behavioral Sciences

Dean: Joan Huber

### Bachelor of Arts

Helena Beatriz Aizaldi, Rocky River  
 Kathleen Grace Allaire, Columbus  
 Nicholas Donald Anderson, Toledo  
 Jonathan Mitchell Andrews, Anderson Island, WA

William Wesley Bailey, Grove City  
 Karen Ruth Ballinger, Hamilton  
 Jennifer Julie Bannon, Worthington  
 Julie Ann Barnard, Findlay  
 David Lee Barnes, Canton  
 Stephan Andrew Barrick, Pickerington  
 Jeanne Lee Bartholomew, Logan  
 Robert Lester Bauer, Jr., Reynoldsburg  
 Kristin Anne Bendickson, Troy  
 Brian Keith Benio, Roswell, GA  
 Barbara Lee Bleiholder, Worthington  
 Margaret Anne Bohnfeldt, Rocky River  
 James Sigfred Bohren, Clayton  
 Nicole Ann Boos, Wadsworth  
 Stephen Patrick Borghese, Columbus  
 David Lawrence Breitenbecher, Bellbrook  
 Annemarie Brennan, Youngstown  
 Michael Joseph Brickner, Lexington  
 Amy Kathleen Brooks, Pepper Pike  
 James Edwin Browning, Orange, CT  
 Regina Broz, Columbus  
 Paula Marie Brush, Alliance  
 Darrell Timothy Bunkley, Vienna  
 Thomas Scott Burke, Lancaster  
 Michael Shane Byrd, Sandusky  
 Carlos Juan Cardona, Carolina, PR  
 Carole Rhonda Carmichael, Gallipolis  
 Luis E. Castrillo, Marion  
 Tracy Lynn Catalano, Canton  
 Joseph Theodore Chapman, Columbus  
 Rhonda Alaina Clayton, Columbus  
 Sherry Eileen Cotterman, Newark  
 David Ellison Couch, Cape Coral, FL  
 Tracy Lynn Cox, Mansfield  
 Todd Merrill Cramer, Ontario  
 Mychael Ronald Dave, Jr., Columbus  
 Mary Elizabeth Davidson, Columbus  
 Wesley Boyd Davis, Forest  
 Kimberly Jo Day, Port Clinton  
 Michael Della Vella, Westlake  
 Mark Cary DeLong, Amherst  
 Michael Brian Dodge, North Canton  
 Robert Inglis Dunlop, Columbus  
 Jennifer Ann Dunn, Centerville  
 Kristin Louise Eakin, Olathe, KS  
 Glenn Alan Earich, Warren  
 Stasia L. Earl, Columbus  
 Jodi Lynne Eitel, Mt. Sterling  
 P. Richard Evans, Columbus  
 Clyde Edwin Eynon, Columbus  
 Robert Donald Fairchild, Jr., Columbus  
 Laura Ann Farren, Clayton  
 Paul Alan Fergus, Upper Arlington  
 William Taylor Fischbein, Centerville  
 Christopher Joseph Fisher, Chesterland  
 Andrew Wade Flood, Columbus  
 Bruce Allen Fogle, Columbus  
 Lisa Marie Freeman, Columbus  
 John D. Frye, Columbus  
 Todd Franklin Gabel, Westerville  
 Scott A. Gale, Columbus  
 Maria T. Garcia, Brecksville  
 Nicolette Angela Giambri, Columbus  
 Michael Warren Giesler, Woodville  
 James Allen Gillespie, Bucyrus  
 Elaine Marie Greenhaile, Columbus  
 Daniel James Greve, Cleveland Heights  
 Mary Elizabeth Gross, Columbus  
 Elaine Renée Hadley, Columbus

Kimberly Ann Haefel, Bucyrus  
 Jeffrey Michael Hahn, Columbus  
 Stephanie Michelle Halpern, Pepper Pike  
 Lisa Victoria Haynes, Mansfield  
 Debra Karen Hayon, Williamson, WV  
 Barbara Alice Hegge, Columbus  
 Julie Deanna Helms, Urbana  
 George Richardson Heynen, Wilmette, NJ  
 Lynn Michelle Hines, Columbus  
 Scott Ryan Hixson, Norwich  
 Jessica Ruth Hudacek, San Francisco, CA  
 Jaime Isern-Suarez, Guaynabo, PR  
 Jean Hayward Isham, Newark  
 Michael Louis Jacobs, Pickerington  
 Diane Liston James, Columbus  
 John Franklin Jarrett, Westerville  
 Elizabeth Randall Jones, Columbus  
 Kristin Suzanne Jones, Mansfield  
 Kellie Lynn Kallas, Amherst  
 Tiffany M. Kaminski, Bath  
 Vicki Lynn Kapcos, Canfield  
 Joy Marie Kelley, Troy  
 Patricia Susan Kelly, Canton  
 David Joseph Kerscher, Upper Arlington  
 Neil Wayne King, Rockford  
 Craig Douglas Kizer, Sidney  
 Kimberly Suzanne Klunk, Worthington  
 Michael Elliott Kotler, Dayton  
 Renee Michele Krafft, Reynoldsburg  
 Christopher Thomas Krieg, Columbus  
 Susanna Lynn Kuns, Bellevue  
 Robert Hsiao Lewis, Wadsworth  
 James Brian Lindsey, Columbus  
 Brian Edward Linvill, Clemson, SC  
 Alice B. Litt, Columbus  
 Curtis Bruce Littlegreen II, Columbus  
 Don Scott Long, Hamilton  
 Anita Lynne Lowe, Worthington  
 Barbara Marie Mager, Worthington  
 Michael Anthony Maitino, Aurora  
 Scott Kristian March, Chicago, IL  
 Lawrence Rhoades Marryott, Jr., Columbus  
 Kumiko Matsubara, Columbus  
 Steven Daniel McLaughlin, Shelby  
 Lisa Ann McNulty, Wadsworth  
 Sean William McSweeney, Columbus  
 Andrea Lynn Miller, Lima  
 Brian John Miller, Fremont  
 Jennifer Lynn Mills, Newark  
 Michelle Rene Milner, Columbus  
 Susan Kathleen Mitchell, Pittsburgh, PA  
 Stephen Mark Molnar, Columbus  
 Peter Michael Moore, Bellbrook  
 Lee Anne Morrison, Magnolia  
 David Michael Nebraska, Columbus  
 Antoinette M. Nunes, Cleveland Heights  
 Lori Ann Ohlemacher, Sandusky  
 Timothy Jon O'Leary, Toledo  
 John Joseph Oppenheimer, Columbus  
 Banu Ozer, Westlake  
 Rachael Anne Pallay, Columbus  
 Stephen Edwards Paris, Columbus  
 Karen Marie Park, Dayton  
 Barbara Lee Parry, Canfield  
 Maria Ivette Pepple, Bay Village  
 Kenneth Ray Perry, Columbus  
 Robert Francis Peters, Greentown  
 Terry Gene Petrey, Columbus

David Edwin Petroskey, Lorain  
 Kelly Ann Plants, Columbus  
 Diane Katherine Poerner,  
 Middleburg Heights  
 Tracy Elizabeth Pollock, Elyria  
 Camille Marie Pyles, Plain City  
 Tracey Ann Radican, Wellington  
 Dennis Jay Rasor, Gahanna  
 Cathleen Denise Rauch, Newark  
 Jerold Everett Reynolds, Columbus  
 Charles Allen Richter, Johnstown  
 Wendy Ellen Robinson, Hudson  
 Natalie Dawn Roffe, Grandview Heights  
 Carol Jean Rogers, Akron  
 Michael James Roggow, Corning, NY  
 Jennifer Ann Rood, Columbus  
 Mark Patrick Rooks, Columbus  
 Jacqueline Kay Rowland, Baltimore  
 Therese Ann Rudolf, Grove City  
 Rosalind J. Russell-Ellis, Trinidad  
 Krylaki Christos Samaras, Columbus  
 Tonya Kay Sargel, Mansfield  
 Israel Schachner, Cleveland  
 Andrew Michael Schiller, Columbus  
 Pamela Kay Schooley, Oakwood  
 Amy Jo Scott, Canton  
 Sheila Scott, Warren  
 Beth Ellen Seitz, Sunbury  
 Lisa Ann Sereyka, Wilkes-Barre, PA  
 Amy Lynn Sheeche, Mansfield  
 Julia Stormy Siess, Mansfield  
 Susan Nadine Sinjur, Cleveland  
 Rodney Irwin Sloneker, Columbus  
 Rae Lynn Smith, Westerville  
 Matthew Edward Smithey, Gorham, ME  
 Jodi Rochelle Spatt, Columbus  
 Stephanie Anne Stafford, Worthington  
 Christopher David Stoltz, Strongsville  
 Charles Edward Stover, Jr., Columbus  
 Tamberly Lynn Swinehart, Xenia  
 Randall Scott Templeton, Kettering  
 Michael Patrick Thomas, Columbus  
 Christina Marie Turner, Columbus  
 Denise Sue Turner, Tiffin  
 Jeffrey John Vafior, Marion  
 James Allen Van Tilburgh, Sidney  
 Kelly Lynn Vislay, Holland  
 Adam Eli Waldbaum, Shaker Heights  
 Todd Howard Warner, Columbus  
 Nathan Washington III, Columbus  
 Richard A. Weaver, Upper Arlington  
 Douglas John Wenning, Osgood  
 Elaine Marie Whiting, Martins Ferry  
 Karen Dawn Wielatz, Columbus  
 Melissa Jane Wiley, Huntington, WV  
 Barbara Ellen Williams, North Fairfield  
 Michael Anthony Wimbush, Cleveland  
 Kristen Eileen Workman, Akron  
 Candy Laurine Wright, Columbus  
 Michelle Antoinette Yezzi,  
 Mentor-on-the-Lake  
 Michaelene Marie Zinn, Newark

## Bachelor of Science

James Brown Allen, Circleville  
 Hieronymus Robert Bueck, Columbus  
 William Scott Cowman, Columbus  
 Doug T. Dailey, Geneva, IL

Scott Jay Feltnr, Columbus  
 Steven Connor Fennessey, Cincinnati  
 Shahram Ighani, Columbus  
 Jacqueline Renee Koewler, Columbus  
 Mohamad Moizadeh, Columbus  
 Gina Eileen Murray, Cincinnati  
 Michael Robert Reed, Columbus  
 John Dominic Reising, Columbus  
 Steven William Sergeant, Canton, GA  
 Marie Gauthier Shively, Lima  
 Timothy David Simon, Strongsville  
 David Nelson Stratton, Cincinnati

## School of Journalism

### Bachelor of Arts in Journalism

Ranjini Anantharaman, Cincinnati  
 Ann Marie Bonhomme, Hudson  
 Lauren Nicole Borgquist, Columbus  
 Michael Veatch Bourn, Hartsville  
 Camille Sue Bradley, West Chester  
 Elizabeth Marguerite Brandenstein,  
 Wadsworth  
 Donna Marie Bruening, Mentor  
 Craig Robert Cichy, Reynoldsburg  
 Matthew Garrett Davis, Worthington  
 Jannette Erica Dugan, Ridgeway  
 Stephen Michael Ebright, Columbus  
 Lynn Ann Echelberger, Ashland  
 Lynn Dee Eckman, Walbridge  
 Colin Gordon Ferguson, Glen Ellyn, IL  
 Elizabeth Florence, Upper Arlington  
 Rebecca Sue Fose, Granville  
 Robert Andrew Fradette, Westerville  
 Michele Andrea Frey, Springfield  
 Patrick Joseph Geyer, Redondo Beach, CA  
 Leslie Colleen Grierson, Columbus  
 Linda Denise Gunlock, Chillicothe  
 Larry David Hamilton, East Liverpool  
 David Eric Hardin, Cincinnati  
 Melissa Suzanne Harris, Lima  
 Brad Eugene Hoffner, Lexington  
 Mark Douglas Hopkins, Whitehall  
 Erinn Shea Horn, Bellefontaine  
 Melissa Rae Hurd, Dover  
 Marie Ann Johnston, Cincinnati  
 Rebecca Marie Jones, Beavercreek  
 Jeffrey Scott Kempfer, Broadview Heights  
 John Ronald Kompa, Jr., Norwalk  
 Ingrid Korgemagi, Springfield  
 David John Koterba, Eastlake  
 Keith Edward Kufirin, Cleveland  
 Nathaniel Edward Lathy,  
 Canal Winchester  
 David Gregory Lawrence, Columbus  
 Tamara Renee Link, Newark  
 James William McCoy, Columbus  
 Marc Alan McTeague, Pickerington  
 Carolyn Ann Moore, Tucson, AZ  
 Carole Lucinda Paul, Hilliard  
 Monica Marie Pleiffer, Canton  
 Eric Michael Plaskonos, Grove City  
 Elizabeth Jane Puglis, Mentor  
 Douglas Lee Reed, Maumee  
 Jack Douglas Renz, Toledo  
 Tony Wade Robinson, Fairfield

Victoria Sue Sampson, Cuyahoga Falls  
 Mark Allan Schmid, Springfield  
 Sandra Marie Scott, Cleveland Heights  
 Wendi Sue Shuster, Columbus  
 Mary Frances Sloat, Valleyview  
 David Lee Sonderman, Jr., Columbus  
 Shane Amblish Staples, Heath  
 Michael David Stover, Mansfield  
 Sheldon Lee Turrill, Jr., Columbus  
 Michele Elaine Valerio, Steubenville  
 Tamara Diane Vassaux, Powell  
 Melissa Marie Vickers, West Jefferson  
 Rebecca Lynne Walters, Columbus  
 Michelle Lea Weber, Fort Thomas, KY  
 Deborah Lynn Williams, Poland

## College of Agriculture

Acting Dean: J. Robert Warmbrod

### Bachelor of Science in Agriculture

Pamela Jean Ames, Hillsboro  
 Kenneth Patrick Anderson, Ashland  
 Brian Lee Arnold, Sabina  
 Todd Alan Barcus, Frazesburg  
 Raejean Fairy Bellamy, Georgetown  
 Brian Lee Bemiller, Johnstown  
 Brett Paul Bernard, Sabina  
 Mark David Binkley, Bowling Green  
 John Thomas Bizic, St. Clairsville  
 Michael Todd Britton, Chillicothe  
 Daren Lee Brown, Springfield  
 Eric Eugene Brown, Willard  
 Bernard Ray DeLong II, Lowell  
 Patricia Joan Dugan, Maumee  
 Richard T. Dysle,  
 Washington Court House  
 Mary-Jo Helena Ember, Columbus  
 Edward James Govang, Bedford  
 Kevin Dale Heacock, Cuyahoga Falls  
 James Nelson Hoffman, Lewistown  
 Roger Merle Hunker, Tiffin  
 Michael Richard Koeritzer, Novelty  
 Iwan Kolopaking, Indonesia  
 Stanton Dean Kraner, Worthington  
 Tricia Jean Kritzler, Kenton  
 Steven Edward Lang, Vincent  
 Terry Kurt Lester, Casstown  
 Steven Russell Logan, Farmdale  
 Steven Dean Mansfield, Delaware  
 David Lester Marrison, Jefferson  
 Scott Steven Meyer, Westerville  
 Jacqueline Susanne Miley, West Salem  
 Mark Miller Mountain,  
 Broadview Heights  
 Thomas Duane Myers, Napoleon  
 Kenneth Allen Osborne, Jr., Waynesville  
 Renee Sue Packer, Radnor  
 Derrick Bruce Rawson, Sylvania  
 Katrina Sue Rhoads, Waverly  
 Brad Allen Rife, Columbus  
 Todd Douglas Ruff, Circleville  
 James Brian Schleutker, Columbus  
 Hallie Jo Shankel, Paris  
 Jeffrey J. Shawhan, South Charleston  
 David Bradley Shuey, Springfield



Carmen Sue Spangler, Dorset  
 David William Stover, Green Springs  
 Thomas Boyce Taylor, Columbus  
 Tori Roxane Thomas, Conesville  
 Richard Kurtis Traugott, Ham Lake, MN  
 Kathie Marie Van Ness, Gibsonburg  
 Wendy Sue Weiss, Hamilton  
 Joseph Allan Wetzel, New Riegel  
 Mary Catherine Wilkins, North Olmsted  
 Mark Roland Zimmerman, Tiffin

### **Bachelor of Science in Food Science**

David Anthony Karolak, Lorain  
 Douglas Charles Martin, New Vienna

### **School of Natural Resources**

#### **Bachelor of Science in Natural Resources**

William Harry Bullard II, Columbus  
 Julie Ann Carpenter, Barnesville  
 James Perry Edwards, Fairborn  
 Beth Ann Lah, Parma  
 David James Lantz, Columbus  
 Brady Thomas Ostrander, Medina  
 William Robert Robinson, Jr., Alliance  
 Donald Eugene Schmenk, Miller City  
 Dale John Smith, Coshocton  
 James Patrick Stricko, Youngstown  
 Geoffrey Raymond Warner, Dellroy  
 Scott Adrian Wolfe, Circleville

### **Agricultural Technical Institute – Wooster**

#### **Associate in Applied Science**

Eric Paul Atwood, Circleville  
 Mark Steven Beattie, Galloway  
 Kelly Andrew Bechtel, Curryville, PA  
 Joan Marie Beckett, Catlett, VA  
 Christina Lin Caplinger, Eaton  
 Nancy Diane Coffman, Marietta  
 Bradley Wilson Davis, Forest  
 John Paul Harker, Duncansville, PA  
 Juliann Hrusovsky, Brook Park  
 Mark D. Isler, Prospect  
 Jyoti Elizabeth Kamp, Orrville  
 Shawn Patrick Kelly, Canton  
 Joseph Damian Kurlich, Medina  
 David I. Levine, University Heights  
 Jeffrey Lee Lutz, Greenville  
 Mark Alan Lyons, Cumberland  
 Thomas Nicholas Mazzaro, Rock Creek  
 Melissa Eileen McMasters, Westerville  
 Julie Yvonne Pierce, Springfield  
 Christopher Zane Ponzani, St. Clairsville  
 Joe Neil Smith, Wooster  
 Kenneth James Smith, North Olmsted  
 Clark Anthony Spieles, Lima  
 Craig Alan Vogl, Toledo

Douglas Lee Wells, Shreve  
 Kelli Lynne White, Gnadenhutten  
 Julie Lynn Zaenger, Toledo

### **College of Business**

Acting Dean: Astrid E. Merget

#### **Bachelor of Science in Business Administration**

Sarina ABD Ghani, Malacca, Malaysia  
 Brian Preston Allen, Massillon  
 Christopher Todd Altieri, Youngstown  
 Stephen J. Amweg, Ohio City  
 Mark Gregory Aquilio, Columbus  
 Todd J. Arend, Columbus  
 Vicki Kay Arnold, Cincinnati  
 Jeffrey L. Asher, Columbus  
 Karin Michelle Atkinson, Perrysburg  
 Lara Kyle Bailey, Columbus  
 Terry Phillip Baker, Lexington  
 Ross James Barry, Moreland Hills  
 David Leslie Bastian, Columbus  
 Paula Louise Bauer, Columbus  
 Edward E. Bauman, Pandora  
 Nicole Elizabeth Bell, Westerville  
 Tracy Lee Berkley, Lancaster  
 Michelle Ann Berlin, Hubbard  
 Robin Jay Beverly, Kenton  
 Tom A. Bigler, Bloomingdale  
 Mark Alan Bishop, Grove City  
 Gary Brett Black, Columbus  
 Tamara Gail Blau, Beachwood  
 Christopher Anthony Boddie, Toronto, Ontario, Canada  
 Jeffrey P. Bohlman, Centerville  
 Dean R. Bohnert, Swanton  
 James M. Borling, Brunswick  
 Dana Michele Bornstein, Gahanna  
 Timothy Sullivan Bosco, East Liverpool  
 Nicholas Joseph Bouillon, Fostoria  
 Elizabeth M. Broker, Marietta  
 James Michael Brown, Lima  
 Kevin Robert Bruce, Westerville  
 Julie Ann Brunswick, Cary, NC  
 Sandra Marie Bucceri, Hebron  
 Steven Richard Buchheit, Steubenville  
 Lisa Marie Buelterman, Cincinnati  
 Alison Kathleen Bundy, Cincinnati  
 Lisa Jo Buonamici, Hubbard  
 Avon Judson Bush III, Columbus  
 Scott A. Carpenter, Warsaw  
 Julie Anne Carruthers, Maplewood  
 Alice M. Castle, Haverhill  
 Steven Edward Chapman, Columbus  
 Robert Nelson Chastain, Powell  
 Woon-Ling Choy, Singapore, Singapore  
 Anthony Mario Ciofani, Willoughby Hills  
 Patricia Anne Citro, Pittsburgh, PA  
 Anthony J. Colburn, Waterville  
 Richard Lee Colwell, Georgetown  
 Noreen Kay Contini-Ingilis, Lima  
 Bradley Dean Corbett, Columbus  
 Donald Gary Cordle, Westerville  
 Leslie Irene Cornwell, South Euclid  
 Sean C. Cox, Centerville

Michael T. Creager, Westerville  
 Stephen David Crecelius, West Chester  
 Colleen Marie Curry, Milford  
 Brian David Daniels, Centerville  
 Gregory Clark Davis, Lancaster  
 K. Alan Davis, Troy  
 Michael Sean Devine, Marion  
 Sally A. Diebold, Cincinnati  
 Robert M. Dillon, Groveport  
 Susan Renee Dittmar, Kettering  
 Carrie Marie Dodson, Westerville  
 Paul Robert Doerfler, Cambridge  
 Amy Louise Dorsten, St. Marys  
 Mary Kay Dryer, Cincinnati  
 Jill Diane Dudek, Warren  
 James Douglas Dunbar, Shelby  
 Daniel McGill Eckert, Bay Village  
 Susie Suk Kwan Eng, Columbus  
 Mary Hajdin Everson, Bridgeport  
 Timothy Patrick Michael Faherty, Columbus  
 Daniel Eric Fairchild, Cambridge  
 Andrew Marc Feldman, Bexley  
 Ronald Lee Ferencz, Munroe Falls  
 Roger William Fettrow, West Jefferson  
 Bernadette Marie Fiascone, Avon Lake  
 Judithann E. Firchow, Dublin  
 Christine Ann Fischer, Centerville  
 David Paul Fischer, Fairview Park  
 Michelle Montrue Fletcher, Mechanicsburg, PA  
 Timothy A. Fortney, Coshocton  
 Teresa Renee Fosnot, Dayton  
 Jill Armstrong Fountain, Worthington  
 Jeffrey Michael Fox, Columbus  
 David B. Friedman, Crawford, NJ  
 Gregory Thomas Frost, Pickerington  
 Tammi Juliana Frost, Columbus  
 Judy A. Fuerst, Ottawa-Glandorf  
 Michael King Fultz, Westerville  
 Christopher Lance Furrow, Vandalia  
 Barry S. Gahm, Hilliard  
 Timothy Brian Gallagher, Chicago, IL  
 Todd A. Gallaher, Powhatan Point  
 Jean Frances Ganley, Dayton  
 Randall T. Gerber, Gates Mills  
 Jonathan Rothchild Gill, Beachwood  
 Shelli Ann Gillen, Columbus  
 Pamela Ann Glance, Seven Hills  
 Laura Katherine Goldsberry, Mansfield  
 George Alan Gummer II, Westerville  
 Richard Andrew Hamilton, Columbus  
 Catharina Eva Hammar, Columbus  
 Cheryl Ann Haney, Columbus  
 Charles Timothy Hanson, Hudson  
 Brett Matthew Harmon, Zanesville  
 William Thomas Harper, Columbus  
 Charles Anthony Harris, Westerville  
 Kevin Allen Harris, Lakewood  
 Krista S. Hart, Kenton  
 Gregory Paul Harville, Marion  
 Robert W. Hathaway, Centerville  
 Joy Kay Haymond, Mansfield  
 Michael Dean Henkle, St. Marys  
 Thomas Edward Hennel, Cincinnati  
 Douglas Lee Hewitt, Circleville  
 Michael K. Hickey, Vandalia  
 Tracy Dale Higginbotham, Newark  
 L. Michael Higgins, Jr., Kent

Robert Philip Higgins,  
Downers Grove, IL  
J. Eric Hodge, Vandalia  
D. Robert Houser Jr., Columbus  
Thomas J. Houser, Newark  
Jeffrey Scott Hovey, Washington, MI  
Dionne Requel Howard, Mansfield  
Michael Shane Hughes, Kettering  
Amy Lynn Hugus, Worthington  
Stephen Douglas Hume, Worthington  
Mark Daniel Huntsman, Cadiz  
Dawn Marie Irwin, Marysville  
Drexell L. Jackson, Dayton  
Harold L. Jackson, Jr., Lima  
Daniel Charles Janki, Chesterland  
Gregory L. Jenkins, Canal Winchester  
Catherine Elisabeth Johnson,  
Mundelein, IL  
Clifton James Jones, Columbus  
John Michael Jones, Cairo  
Jay Jordan, Columbus  
Michael Francis Juncewicz, Columbus  
Kris Ann Kane, Strongsville  
Janice Marie Kaufman, Jeromesville  
Yogesh Kavita, Columbus  
David Mark Kelley, Ann Arbor, MI  
Fahima Khamis, Johor, Malaysia  
Scott Alan Kiefer, Shelby  
Tina Louise Kielmeyer, Pataskala  
Kristen Bethel King, Jackson  
Robert Michael Kissler, Columbus  
Paul Henry Klein, Dublin  
Meg Kleinschmidt, Sandusky  
Dennis J. Kleman, Columbus Grove  
Gretchen L. Kluve, Mentor  
Perry Scott Knight, Mansfield  
Kathleen Marie Kocian, Brinkhaven  
Kymberly Lynn Koett, Atlanta, GA  
Lynn Marie Kolencik, Wickliffe  
Michael Frank Kozma, Massillon  
David Joseph Kuhr, Cincinnati  
Paul Joseph Labate, Fairview Park  
Tina Lam, Canton  
Gary L. Lambert, Bellefontaine  
Sheila Marie Lambrecht, Wausau, WI  
Joseph Scott Lathery, Columbus  
Tiong Seet Lau, Singapore, Singapore  
Jeffrey N. Leary, Fairfield  
Davis P. Ledford, Cincinnati  
R. Michael Lewis, Kenova, WV  
Hsueh Shiuu Bruce Liao, Honolulu, HI  
Matthew Joe Lieser, Columbus  
Karen Ying-Hsiu Liu, Columbus  
Tod Charles Lombardo, Reynoldsburg  
Stephen Sherwood Luicart, St. Clairsville  
Wendy Y. Ma, Taipei, Taiwan, R.O.C.  
Lisa Christine Maksour, Dublin  
Kenneth R. Malinowski, Madison  
Cynthia Leigh Manring, Westerville  
Whitney Kara Mantonya, Newark  
Christopher Eric Martin, Galloway  
Raymond A. Mastriani, Columbus  
Jason R. Mattern, Wintersville  
Michael J. Maureri, Mentor  
Francis Dan McCauley, Jr., Martins Ferry  
Douglas Vincent McCullough, Blacklick  
Matthew A. McEwen, Berea  
Lisa Lynn Meddles, Marion  
Paul Eugene Melnyk, Parma

Laura Lynn Menges, Findlay  
Mary Katharine Mentser, Gahanna  
Michael E. Mickunas, Akron  
Kenneth J. Middleton, Xenia  
Julie Lynn Miller, Newark  
Kathryn Ann Miller, Kettering  
Daniel Joseph Miron, Wadsworth  
Jeffrey W. Moats, Circleville  
Chad Christopher Morrison, Lima  
Deborah Ann Morrison, Westerville  
Gary Allan Mott, Braceville  
Joseph Jay Murphy, Seven Hills  
Gary Lee Muzechuk, Centerville  
David Aaron Nadolny, Lima  
Jennifer Louise Nelson, Granville  
Nancy Ann Nesselroad, McConnelsville  
Deana Marie Nethers, Newark  
Nicholas Constantine Nicolacakis,  
Cuyahoga Falls  
Ulf Anders Nilsson, Hilliard  
Steven Roy Noble, Martins Ferry  
Bridget Beth O'Reilly, Columbus  
Gregory Michael Odenweller, Delphos  
Lynne Renée Oldsen, Worthington  
Lora R. Parker, Vandalia  
Randall Jay Parker, Loudonville  
Valerie J. Parnell, Beavercreek  
Tammy Lynn Parsons, Reynoldsburg  
Christopher Todd Peele, Worthington  
Angela Ann Peji, Conneaut  
Mark Anthony Pelini, Youngstown  
Amy Elizabeth Penick, Dublin  
Amy Irene Penn, Dublin  
Tammy Lynn Perkins, Mansfield  
Brent Lee Phillips, Marion  
Daniel Thomas Phillips, Vermilion  
Dennis Lee Platt, Dayton  
Michael Edward Pitt, Columbus  
Amanda LeNay Pitts, Marion  
Larry E. Plotnick, Worthington  
Robert Patrick Poling, Delphos  
William David Porter, Columbus  
Kelly Ann Powali, Highland Heights  
John Philip Probst III, Marion  
Beverly Jean Rackett, Lebanon  
James Joseph Rak, New Albany  
Beverly Michele Randell,  
Hacienda Heights, CA  
Tracie Marie Rector, Columbus  
Michelle Renee Redman, Dublin  
George Charles Reichert, Columbus  
William R. Remias, Jr., Batavia  
James Martin Rice, Marion  
J. Taliesin Richards, Cincinnati  
Michael Ward Riebel, Worthington  
Lisa Marie Rietschlin, Crestline  
Frank Michael Rivelle II, Wellsville  
Kimberly Ann Rizzi, Salem  
Christopher Garbig Robeson, Oxford  
Tia Ann Rochford, Akron  
Donald F. Rodenbaugh, Youngstown  
David Wayne Romanowski, Carroll  
Bradley M. Root, Berea  
Todd Paul Ryan, Lima  
Nicole Marie Sanchez, Pickerington  
Charles Thomas Schiavello, Jr., Poland  
Joseph Leo Schmidt, Galloway  
Todd Allen Schroeder, Columbus Grove  
Richard Franz Schulte, Jr., Boca Raton, FL

Lynda Marie Schwieterman, Coldwater  
Gary Adam Schwindt, Columbus  
Melinda Sara Secrest, Thornville  
Christopher L. Seeling, Westerville  
Jay A. Senke, Cambridge  
Stephen L. Sharp, Columbus  
Rizwan Amin Sheikh, Lahore, Pakistan  
Timothy Craig Shook, Columbus  
Stephanie Sue Simmons, Norton  
Michelle Marie Simunic, Youngstown  
Scott M. Singer, Cleveland  
Simone Alysa Singer, Dayton  
Jeffrey S. Skelley, Springfield  
Brian Paul Skinner, Steubenville  
Elizabeth Jill Sladoje, Westerville  
Brian Marshall Smith, Columbus  
Christopher Howard Smith, Pickerington  
David Ryan Smith, Canfield  
Randall Lee Spaulding, Marion  
Scott Robert St. John, Mineral Ridge  
Amy Michelle Stallsmith, Urbana  
Donna Lynne Starcher, Cortland  
Amy A. Steberl, Mechanicsburg  
Brian David Steele, Springfield  
Yolanda Yvette Sterling, Dayton  
Michael C. Stevens, Columbus  
Mark Allan Stewart, Pickerington  
Jeanne Ellen Stoessel, Worthington  
Cedric Lamar Stone, Cincinnati  
Arthur Michael Strackhouse,  
Pittsburgh, PA  
David Lawrence Straub, Westerville  
George Albert Stumm, Mullica Hill, NJ  
Sri Lestari Suganda, Bandung, Indonesia  
Robert Ned Susi II, Worthington  
Sharon Sue Sutherland,  
Washington Court House  
Daniel Richard Sutherly, Troy  
David Alan Tabler, Columbus Grove  
Devaraj Thirupathi, Canton  
Andrew Louis Thomas, Columbus  
Kevin R. Thomas, Columbus  
Teresa Apple Torris, Columbus  
Mark Allen Tremains, Bellefontaine  
Doreen Jo Trevis, Struthers  
Judi Szymczak Troutman, Bexley  
Todd James Truby, Cuyahoga Falls  
Kelly Lynn True, Warren  
Cheryl S. Tumulty, Worthington  
Shawn David Turnbull, Grove City  
Deborah Sue Uhlenhake, Newark  
Cynthia Lynn Uslick, Canton  
Lisa Kristine Varney, Westerville  
Cecilia Marie Varrasso, Newark  
James Michael Vassar, Jr., Toledo  
Mark G. Volkman, Loveland  
Maria Voulgaris, Dayton  
Kristen Marie Wachaus, Mentor  
William Leo Wagenbrenner, Columbus  
Harold Donn Wagner, Groveport  
Yuen Ling Diana Wai, Kowloon,  
Hong Kong  
Tina Kay Waters,  
Washington Court House  
Wendy D. Wedge, Lima  
Lee Warren Westfall, Newcomerstown  
Scott Gregory Whaley, Columbus  
Brian L. Wheeler, Hilliard  
Patricia J. Whitacre, Lima

Leslie K. Whiteside, Cleveland  
 Cheryl Lynn E. Wiegand,  
 West Seneca, NY  
 Marissa Lynn Wilk, Brunswick  
 Brad J. Williams, Kettering  
 Joseph Rockne Wilson, Jr., Wintersville  
 Tracy Colette Wilson, Newark  
 William Lee Wirth, Parma  
 Wendy M. Wiseman, Cincinnati  
 Melvin Eugene Woodberry, Mansfield  
 James Anthony Wynne, Mansfield  
 Mark Shigeru Yamamoto, Gahanna  
 Carrie Darlene Young, Reynoldsburg  
 Michael William Zarlenga, Independence  
 Mark Thomas Zeigler, Lima  
 David Anthony Zito, Strongsville  
 Carolyn Marie Zullo, North Olmsted

## College of Dentistry

Dean: William R. Wallace

## Doctor of Dental Surgery

Julie Marie Haley, Bellville  
 Cert.Grad.Dent.Hyg., B.S.Ed.

Christopher D. Nguyen,  
 Spring Valley, CA

Randall Brent Smith, San Diego, CA

## Bachelor of Science in Dental Hygiene

Leigh Anne Bennett, Norton  
 James David Pangborn, Circleville

## College of Education

Dean: Donald P. Anderson

## Bachelor of Science in Education

Rae Elaine Abbott, Columbus  
 Mitzi Lynn Anderson, Clarksburg  
 Regina Ann Ankrom, Columbus  
 Sandy Blair Baker, West Mansfield  
 Monica Louise Beck, Westerville  
 Tracey Lynn Bigler, Sycamore  
 Lisa Ann Blum, Pittsburgh, PA  
 Charlyn Bouvier, Lexington  
 Patricia Brewster, Mansfield  
 Diane Marie Brown, Baltimore  
 Julie Ann Brown, New London  
 Caren Sue Carson, Shelby  
 Okja Chung, Fairborn  
 Kirsten Faith Chupick, Reynoldsburg  
 Theresa Marie Clabaugh, Shelby  
 Melissa Gail Conn, Mansfield  
 Mary Sue Cowans, Columbus  
 Leanna Marie Criner, Hilliard  
 Teresa Helen Cruikshank, Thurston

Maritza Cruz, Columbus  
 Dana Michele Dalanno, Columbus  
 Jessica Rose Davis, Columbus  
 Lisa Dawn Dickerson, South Point  
 Karen Marlene Dietz, Dublin  
 Patricia Maria Dietz, South Euclid  
 Christopher Neal Dinan, Zanesville  
 Douglas Joseph Dinan, Nashport  
 Kristina Lynn Drake, Columbus  
 Carrie Kay Ebert, Mansfield  
 Burton S. Feldman, Columbus  
 Sheila Elizabeth Ferguson, Cincinnati  
 Teresa Sue Fruth, Ashland  
 Teresa Marie Gardner, Columbus  
 M. Catherine Gorman, Cincinnati  
 Kathryn Clare Grimm, Cleveland  
 Wendy Spurrier Gruenbaum, Gahanna  
 Cheryl Louise Halley, Dublin  
 Lisa Lynn Hastings, Columbus  
 Roger Allen Heisler, Ney  
 Brady Lynn Himmeger, Zanesville  
 Daniel Raymond Hirneise, Columbus  
 Vicki Lynn Holtsberry, Harrod  
 Karen Sue Hord-Miller, Marion  
 Tammy Hrelec, Campbell  
 Amy Jeanne Huston, Tipp City  
 Pamula Sue Keaser, Newark  
 Sherri Lynn Keener, Greenwich  
 Connie Sue Kern, Mt. Sterling  
 Michael Robert Kerstetter, West Salem  
 Amy Ann Ketcham, Lima  
 Tracy Sue Kirkpatrick, Lima  
 Jody Ann Kisseberth, Findlay  
 Mark Alan Koch, Brookfield  
 Cindy Sue Koons, Loudonville  
 Natalie A. Kramer-Baker, Fort Recovery  
 Peggy Lindsey Lantry, Worthington  
 Kathryn Louise Laser, Mansfield  
 Joey Ray Lewis, Hamilton  
 Eileen Marie Liszkay, Columbus  
 Linda Jeanne Little, Columbus  
 Laura Kathryn Maczuzak, Mentor  
 Cathy Lynn Main, Upper Sandusky  
 Melissa Jo Marks, Beachwood  
 Linda Kinney Martin, Mansfield  
 Rosemary Ann Martin, Pickerington  
 Wendy Minna McDaniel, Beavercreek  
 Carolyn Kay McKown, Plymouth  
 Phillip Andrew McNamara, London  
 Kathryn Joyce Meranda, Waverly  
 Lesley Jennifer Miltner, Conneaut  
 Michele Ann Moon, Maple Heights  
 Vanessa Lynn Moore, Mt. Vernon  
 Kevin Patrick Munnings, Euclid  
 Nancy L. Musick, Canal Winchester  
 Anita L. Musser, Indianapolis  
 Alaina Renee Myers, Lima  
 Minerva Kaye Neal, Lima  
 Bernadette Josephine Nichol, Mansfield  
 Jon Brooks Osborne, McConnelsville  
 Douglas Brent Owens, Columbus  
 Donald Alan Paltani, South Euclid  
 Matthew James Pauff, Lima  
 Roger Charles Rabold, Dublin  
 Christopher Delfin Riego de Dios,  
 Norfolk, VA  
 Gregory William Rogers, Columbus  
 Charles David Roth, Jr., Lancaster

Stacey Louise Santos, Worthington  
 Angela Denise Schmidt, Lewisburg  
 Donna Lyn Schmitmeyer, New Bremen  
 Christa Elizabeth Schnieders, Mansfield  
 David Charles Shuchat, Sidney  
 Wesley William Siegenthaler III,  
 Uniontown  
 Gayle Scott Skidmore, Worthington  
 Mark William Smaltz, Youngstown  
 Kara Lynn Smith, Hilliard  
 Keith Allen Smith, Beaver  
 Linda K. Southby, Lexington  
 Ronald David Speaks, Worthington  
 Charles Michael Steele, Gahanna  
 Shannon Lee Steen, Fremont  
 Jill Mayre Swanson, West Chester  
 Gilda Stella Tanner, Bexley  
 Tina Renee Thomas, Columbus  
 Rebecca Jo Thompson, Gahanna  
 Shelley Ann Trace, Hartville  
 Nicholas Michael Tsironis,  
 University Heights  
 Paul David Ulrich, Marysville  
 Dustin Heath Valley, Columbus  
 Laura Mary Varcette, Ashtabula  
 Hellen Margaret Verity, Cardington  
 Kara Marie Warren, Grove City  
 Michael Gary Weithman, Galion  
 Susan Whitney Young, Columbus

**Bachelor of Art Education and Bachelor of Music Education degrees are offered jointly by the College of the Arts and the College of Education. Candidates are listed under the College of the Arts.**

## College of Engineering

Acting Dean: Robert F. Redmond

## Bachelor of Science in Aeronautical and Astronautical Engineering

Robert David Ammon II, West Chester  
 Paul Anthony Baldwin, St. Louis, MO  
 Geoffrey David Duda, Columbus  
 Michael John Harman, Bay Village  
 Andrew Louis Langenbahn, Cincinnati  
 Theresa Marie Mero, Phoenix, NY  
 Daniel Alan Popovich, Youngstown  
 Ronald Mark Rudolph, Shelby  
 Douglas Kenton Sage, Bay Village  
 Michelle Ann Strosky, Westerville  
 Thomas Edward Swackhammer,  
 Reynoldsburg

## Bachelor of Science in Agricultural Engineering

Duane A. Albin, Cambridge  
 Andrew Adam Doklovic, Mansfield  
 Matthew Todd Smith, Bowling Green  
 Frank Douglas Voss, Waverly

### **Bachelor of Science in Aviation**

Erik Lloyd Christensen,  
Campbellsport, WI  
Andrea Michelle Connolly, Springfield  
Martin Jay Himes, Columbus  
Rebecca Lynn Szewczyk, Columbus  
Matthew Alexander Tallarico,  
Pittsburgh, PA  
Stephen Richard Ulmann, Perry

### **Bachelor of Science in Ceramic Engineering**

James Alan Carr, Rockford, IL  
Howard Todd Clevenger, Plain City  
Michael David Harris, Paulding  
Jennifer Pekol, Kirtland  
Michael Henry Zimmerman, Strongsville

### **Bachelor of Science in Chemical Engineering**

Karl John Borsody, Cleveland  
Kevin Patrick Fenton, Fairfield  
Minh-Tuyet Thi Tran, Columbus

### **Bachelor of Science in Civil Engineering**

Dorothy Ann Adams, Akron  
Noel Almeria Alcala, Columbus  
Thomas Karl Birnbrich, Galloway  
Tony Colagiovanni, Kirtland  
David W. Dacar, Columbus  
Todd Allan Fergus, Clayton  
Paul Wayne Hannah, New Vienna  
Jennifer Kay Hardenbrook, Covington  
Joseph Charles Hatton, Tipp City  
Daniel Keith Jagers, Columbus  
Scott Robert Lee, Rossford  
Daniel Gattner Linzell, Columbus  
Jonathan Ben Morgan, Middletown  
Patrick Seamus Mulligan, Utica  
Eduardo Noriega, Argentina  
Roger Lee Oberweiser, Coshocton  
Michael Irl Owings, Columbus  
Joel David Sage, Bay Village  
Robert Joseph Wallace, Cuyahoga Heights

### **Bachelor of Science in Computer and Information Science**

John Charles Billerman, Findlay  
Michael John Black, Newark  
Aaron Boonshoft, Dayton  
Ziyu Chen, Hangzhou, Zhejiang, China  
Alan Wayne Clark, Columbus  
Vernon Sean Conley, Columbus  
William James Curry, Lima  
Brian Michael Dunham, Pataskala  
Christopher Charles Ecker, Cleveland  
Terry Lee Eichman, Bexley  
Robert Harrison Hastler, Gahanna

Rehman Jafri, Lancaster  
David Colin Keith, Cincinnati  
Chen-Hui Jenny Lin, Taiwan, R.O.C.  
Anant Behari Mathur, Warren  
Manuel Vicente Montalvo,  
Quito, Ecuador  
Minh Quang Nguyen, Powell  
Pareesh Kanti Patel, Eastlake  
Shiu Fun Poon, Hong Kong  
Saideh Rasoulani, Columbus  
Dennis Terry Rutherford, Okinawa, Japan  
Adele Lorraine Sabol, Reynoldsburg  
Randy Lee Tice, Canton  
Hon Ching Yip, Hong Kong

### **Electrical Engineer**

Kenneth Sharpe, Columbus

### **Bachelor of Science in Electrical Engineering**

Chris Allen Armbruster, Chesterland  
Alexander Beltram, Columbus  
Brian George Cartier, Cincinnati  
Todd Andrew Dillon, Cincinnati  
Thanh Trung Doan, Columbus  
Christina Alice Earnhardt, Toledo  
Sergio Luciano Frabotta, Parma  
Derek Ulrich Gerlach, Columbus  
Galen G. P. Gillett, Jr., Chesterland  
James Richard Gornall, Elyria  
Raymond Harold Haas, Olmsted Falls  
Kevin Ellsworth Hall, Canal Winchester  
Mohammad Ebrahim Jorat, Columbus  
Thomas Jefferson Kaminski, Austintown  
Nael Ibrahim Khalaf, Amman, Jordan  
William C. Koehler, Oxford  
Neeraj Kumar Lal, Worthington  
Thomas Patrick Lavelle, Warren  
Yang Suck Lee, Kwangju, Korea  
Eric John Louys, Pickerington  
Brian David McMillin, Willoughby Hills  
Mark Alan Novak, Cleveland  
William Michael Peloso, Strongsville  
Scott Frank Ray, Safety Harbor, FL  
Ronald Francis Rosati, Tallmadge  
Mazda Salmanian, Tehran, Iran  
David Benjamin Shuler, Cincinnati  
Rand Donald Smith, North Olmsted  
Pang Chai Tan, Labis, Johor  
Debra Ann Valentine, Canton  
David Joseph Wiggenhorn,  
Huber Heights

### **Bachelor of Science in Engineering Physics**

Michael Christian Dobelbower, Toledo  
Kevin Ryan Herminghuysen, Van Wert  
Paul David Nunley, Charleston, WV  
Lance Douglas Rhodes, Reynoldsburg  
Gregory Nicholas Simopoulos, Dayton

### **Bachelor of Science in Industrial and Systems Engineering**

Tuan Anh Cao, Reynoldsburg  
Duane Leslie Herring, Massillon  
Eric David Link, Huber Heights

### **Bachelor of Science in Mechanical Engineering**

Robert Hubbard Bahney III, Put-in-Bay  
Robert Fredrick Brandt, Hamler  
Mark William Bryson, Lakewood  
Douglas Michael Collins, Somerset  
Peter Carl DeMuth, Gates Mills  
Douglas Eugene Dettmerman, Willard  
George Richard Durisek, Jr., Westlake  
Steven Michael Ferguson, Chesterland  
Grant Wayne Gerber, Mansfield  
James Douglas Harvey, Warren  
Steven Paul Krizan, Chagrin Falls  
John Joseph Lackner, Brunswick  
Beth Ann Lee, Toledo  
Glenn Lefever-Button, Columbus  
Anson Ying Pang, Rocky River  
Gregory Drew Riter, Youngstown  
David John Schaefer, Fairview Park  
Kenneth Edward Schnipke, Wooster  
Jane McFee Sheetz, Bowling Green  
Kraig Steven Shipley, Ravenna  
Bruce Joseph Vereecken, Akron

### **School of Architecture**

#### **Bachelor of Science in Architecture**

Fidelis Odimara Anaraodo,  
Owerri, Imo State, Nigeria  
Barry Douglas Blodgett, Lima  
Jonathon Bradley Collin, Bexley  
Nikolina Georgievskia, Columbus  
Christopher E. Greenwalt, Strongsville  
John Hamlett, Columbus  
Huw Meyrick, Columbus  
Thomas Edward Schlensker, Hamilton  
Khaled Jamil Shammout, Jordan  
James Stephen Srncac, Granville  
Joan Celia Wagner, Celina

#### **Bachelor of Science in Landscape Architecture**

Andrew David Borden, Reynoldsburg  
Molly Marie Flautt, Granville  
Joel Richard John, Maumee  
David Michael Kuchenbuch, Cincinnati  
Joseph Edmund Looby, North Canton  
Robert John Wadkowski, Bexley

## College of Human Ecology

Dean: Lena Bailey

### Bachelor of Science in Human Ecology

Amanda Jean Amos, Scio  
Pamela Lynn Bailik, Cincinnati  
Julia Anne Balawajder, Columbus  
Malynda Sue Booth, Coshocton  
Michelle Brown, Caledonia  
Jennifer Elizabeth Carrier, Galion  
Debra Jane Chakeres, Gahanna  
Francine Renee Clar, Canton  
Jill Renee Clinger, Forest  
Amy Cox, Greenville  
Michelle Marie Crompton, Dayton  
Marnelle Curtis, Columbus  
Wendy Christine Dearth, Columbus  
Jo Hannah DeHart, West Chester  
Kylie Elaine Dietz, Columbus  
Shannon Elizabeth Fey, West Chester  
Sharon Hope Dorsey, Cincinnati  
Curtis Keith Drummond, Columbus  
Elizabeth Helen Eichwald, Lakewood  
Shannon Elizabeth Fey, West Chester  
Jenny Ann Gerber, Mansfield  
Jennifer E. Gross, Pepper Pike  
Stacy Halpern, South Euclid  
Christine Frances Heider, Galion  
Tammy Ann Henderson, Jackson  
Rebecca Sue Hyatt, Columbus  
Elizabeth Alma Jonas, Columbus  
Michele Zella Katz, Columbus  
Jill Maureen Kennedy, Worthington  
Terri Jane Kinney, Westerville  
Sheila Gay Kitchen, Groveport  
Kimberly Hayden Kraig, North Olmsted  
Lizabeth Elaine Lafferty, West Union  
Carol Irene Leite, Toledo  
Carrie Ann Mangiola, Tiffin  
Marlene Christiene Manser, North Canton  
Keith Ronald Marius, Madison  
Jacqueline Sue Mathers, New Concord  
James Scott Maxey, Portsmouth  
Susan McManus, Cincinnati  
Michele Marie Miller, Strongsville  
Cheryl Lynn Moss, Circleville  
Teresa Kimberly Muncer, Canal Fulton  
Lori Jane Newbold, Bloomingdale  
Frances Marie Opritza, Poland  
Margret Louise Pagel, Columbus  
Sharie K. Piatt, Delaware  
Donna Michelle Pollis, Westerville  
Susan Helaine Ranly, Gahanna  
Barbara Lynn Rausch, Galloway  
Cheryl Susan Rickly, Valley City  
Kimberly Jean Rine, Columbus  
Joseph Robert Rotondo, Columbus  
Stephanie Kay Sanders, Columbus  
Lora Beth Schwartz, Pepper Pike  
Ann Marie Slusser, Canton  
Heather Leslie Smith, Madison  
Lori Lynn Smith, Carroll  
Mary Melissa Sparks, Cincinnati  
Katherine Elaine Spriggs, Springfield

Lori Ann Stephens, Cuyahoga Falls  
Nancy Jo Tinsman, Fostoria  
Patricia Ann Toddy, Columbus  
Kathryn Marie Tracy, Grove City  
Denice Rae Valega, North Ridgeville  
Angela Sue Wade, Dublin  
Shannon Michelle Webb, Dublin  
Tonya Marie Whalen, Maumee  
Julie Beth Wikas, Cincinnati  
Lauri Beth Wolf, Glenview, IL

### Bachelor of Science in Hospitality Management

Douglas Cory Acton, Columbus  
Jeffrey Allan Albright, Shadyside  
Kimberly Kay Allison, Thornville  
Diana Baldessari, Kettering  
Robert Virgil Boardman, Toledo  
Cheryl Anne Cipriano, Ravenna  
Thomas James Cleland, Powell  
Lisa Renee Davis, Scio  
Kurt Patterson Furlong, Columbus  
Teresa R. Huck, Marietta  
Robert Edward Larrick, Dublin  
Theresa Marie Ludwig, Pickerington  
Jennifer L. Mizak, Wadsworth  
MaryBeth Paris, Cincinnati  
Marc Samuel Sable, Columbus  
Douglas Scott Seurkamp, Circleville  
Jill Marie Stevison, Kettering  
Ellen Sung, Chillicothe  
Danielle Marie Tripodi, New Philadelphia  
Dina Joan Wald, New York, NY  
Lisa Marie Wilson, Columbus

### Bachelor of Science in Nutrition

Lori Marie Boggs, Minerva  
Rose Marie Perrino, Cincinnati

## College of Law

Dean: Francis X. Beytagh, Jr.

### Juris Doctor

Rhonda J. Foster, Columbus  
B.A. (Ohio Dominican College)

Gil Ben Fried, Palo Alto, CA  
B.S. (California State University-Sacramento);  
M.A.

Kandie Layne Liggins, Columbus  
A.B. (Washington University-St. Louis)

Kevin David Mager, Canfield  
B.A. (Youngstown University)

Michelle Ann Marshall, Ashland  
B.S.Bus.Adm. (Ashland College);  
M.A.

Melita Joan Mulligan-Ferry, Westerville  
B.A. (Saint Mary's College, Indiana)

Angela Rene Triplett, Columbus  
B.S. (Bowling Green State University)

Daniel John Veen, Kalamazoo, MI  
B.A. (Calvin College)

E. Roberta Wade, Galion  
B.S.Bus.Adm.

## College of Medicine

Dean: Manuel Tzagournis, M.D.

### Bachelor of Science in Allied Health Professions

Leevator Larkin, Cleveland  
Keith Edward Mullins, Columbus

## College of Nursing

Dean: Carole A. Anderson

### Bachelor of Science in Nursing

Joni Champion, Montpelier  
Jean Ann Geshan, Cincinnati  
Sandra Louise Jacobs, Grove City  
Lisa Lee Kirk, Columbus  
Kathleen Ann Klass, Worthington  
Helena Joanne Meadors, Ashtabula  
Sue Ellen Moore, Columbus  
Bruce Yale Scheer, South Bloomingville  
Joan Marie Weber, Cincinnati  
Kathryn Louise Webner, Ashland

## College of Pharmacy

Dean: John M. Cassidy

### Bachelor of Science in Pharmacy

Tracey Lynne Austin, Portsmouth  
Todd Michael Barnard, Euclid  
Tin-Sue Terrance Fu, Columbus  
Stacey Lynn Gagnon, Barberton  
Leonel Nwagha Igwebuike, Toledo  
Eric Forrest Lawler, Frazeeburg  
Randy Dean Marks, Wellington  
Peggy Diane Rickner, Van Wert  
Jacqueline Kay Sprenger, Amherst  
Michael Sean Sturgill, Portsmouth

## College of Veterinary Medicine

Dean: Ronald A. Wright

### Doctor of Veterinary Medicine

Mary Ann Watson, Tallmadge  
B.S.Agr.

### Graduates with Honors

Criteria for graduating with honors are as follows:

**Summa Cum Laude** designates those graduating in the top 3% of the class.

**Cum Laude** designates those graduating in the top 10% of the class.

**With Distinction** requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

**With Honors in the Liberal Arts** requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

**With University Honors** designates those graduating with curricular distinction and dedication to high educational goals.

#### Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Molecular Genetics

Susan Michelle Kretshmer

#### Summa Cum Laude with Distinction in Electrical Engineering

Derek Ulrich Gerlach

#### Summa Cum Laude with Honors in the Liberal Arts

Omar Mobin-Uddin

#### Summa Cum Laude

Anne Martha Armstrong  
Lara Kyle Bailey  
Charlyn Bouvier  
Steven Richard Buchheit  
Anthony J. Colburn  
Christina Alice Earnhardt  
Judithann E. Firthow  
William Taylor Fischbein

Lisa Marie Freeman  
Elaine Marie Greenhalge  
Lori Groendyke-Knutti  
Barbara Alice Hegge  
L. Michael Higgins, Jr.  
Kathryn Louise Laser  
Michael Dane Martin  
Kristie Lynn Miller  
Deborah Star Morse  
Stephen Edwards Paris  
Deana Marie Richards  
Gregory William Rogers  
Brian Paul Skinner  
Michael Henry Zimmerman

#### Cum Laude with Distinction in Agricultural Economics and with Distinction in Agricultural Education

David Lester Marrison

#### Cum Laude with Distinction in Civil Engineering

Dorothy Ann Adams

#### Cum Laude with Distinction in Mechanical Engineering

Kraig Steven Shipley

#### Cum Laude with Honors in the Liberal Arts

Margaret F. Gibbons  
Jacqueline Renee Koewler  
Curtis Bruce Littlegreen II  
Carolyn Marie Rehg  
Jennifer Ann Rood

#### Cum Laude with University Honors

William C. Koehler

#### With Distinction in Family Relations and Human Development

Carrie Ann Mangiola

#### With Distinction in Mechanical Engineering

Glenn Lefever-Button

#### With Honors in the Liberal Arts

Lauren Ann Gurosko

### With University Honors

Angela Ann Peji  
Kenneth Ray Perry  
Donna Lynne Starcher

### Cum Laude

Jeffrey L. Asher  
Karin Michelle Atkinson  
Eric Paul Atwood  
Sandy Blair Baker  
Jeanne Lee Bartholomew  
Raejean Fairy Bellamy  
Staci Virginia Boord  
Dana Michele Bornstein  
Philip H. Cichanowicz  
Bradley Dean Corbett  
Jessica Rose Davis  
Peter Carl DeMuth  
Douglas Eugene Detterman  
Carie Marie Dodson  
Brian Michael Dunham  
Carrie Kay Ebert  
Tammi Juliana Frost  
James Allen Gillespie  
Susan Renee Graham  
Raymond Harold Haas  
David Eric Hardin  
Krista S. Hart  
Lisa Lynn Hastings  
Lynn Michelle Hines  
Mark Douglas Hopkins  
Thomas J. Houser  
Jessica Ruth Hudacek  
Mark Daniel Huntsman  
Daniel Charles Janki  
Patricia Susan Kelly  
Jody Ann Kisseberth  
Robert Michael Kissler  
Kymberly Lynn Koett  
Susan Michele Kutas  
Beth Ann Lah  
R. Michael Lewis  
James Brian Lindsey  
Linda Kinney Martin  
Kelly Ann McCue  
Mary Katharine Mentser  
Brian John Miller  
Belinda Monte de Ramos  
Michael Irl Owings  
Amy Irene Penn  
Eric Michael Plaskonos  
Camille Marie Pyles  
Roger Charles Rabold  
David Wayne Romanowski  
Todd Douglas Ruff  
Janet Elizabeth Rupert  
Tonya Kay Sargel  
Bruce Yale Scheer  
Kenneth Edward Schnipke  
Ronald David Speaks  
Jeanne Ellen Stoessel  
Thomas Boyce Taylor  
Debra Ann Valentine  
Maria Elena Van Meter

Page 615 Blank

Page 616 Blank



THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
ONE THOUSAND TWO HUNDRED AND SIXTY-EIGHTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 6, 1990

The Board of Trustees met at its regular monthly meeting on Thursday, December 6, 1990, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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Minutes of the last meeting were approved.

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December 6, 1990 meeting, Board of Trustees

The Chairperson, Mrs. Bowser, called the meeting of the Board of Trustees to order on December 6, 1990, at 11:55 a.m. She requested the Secretary to call the roll.

Present: Shirley D. Bowser, Chairperson, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, Alex Shumate, Theodore S. Celeste, Sophia L. Paige, and David A. Tonnies.

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Mrs. Bowser:

With us today is Steve Maurer, Secretary of Agriculture for the State of Ohio, who attends our Agricultural Affairs Committee meetings. He has agreed to stay over and would like to address the Board. Let me first say, Steve, that we have certainly appreciated your time and attention in attendance at our meetings.

Mr. Steven D. Maurer:

Madam Chairperson, that goes both ways. I have thoroughly enjoyed both the hospitality and the honor that the Board has given me to be an ex-officio member of the Board of Trustees' Agricultural Affairs Committee. This being my parting shot and my last opportunity to propagandize the Board, I did bring with me copies of the Ohio Agricultural Statistics and Ohio Department of Agriculture Annual Report for distribution.

As I was sitting here thinking of what I might say, I looked at the Seal of the University and noted that in the Seal the word "agriculture" lies directly above knowledge. Knowledge being the foundation of what we are about, I would like to remind the Board that agriculture is basic, just above knowledge, and to all else that we are about. Hopefully, we can keep that in mind. I am sure that my successor will be granted the same hospitality that I have been and hope that he or she takes it upon themselves to participate in their capacity as Director of Agriculture for this University.

Mrs. Bowser:

Thank you. You have been a true friend of agriculture. We certainly will miss you and we wish you well.

President Gee:

Thank you, Steve, for your long-term participation and for being with us today.

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#### PRESIDENT'S REPORT

President Gee:

Madam Chair, doing these monthly commentaries for you, and having done them several times, puts me in mind of Garrison Keillor's weekly radio monologues. Only he traditionally begins his essay with the line: "It has been a quiet week in Lake Wobegon, my hometown." Well, we have yet to have a quiet week here at Ohio State, but as I reminded an audience this fall, Ohio State has many things in common with Keillor's slice of midwestern life. This University is a bit like Ralph's

## PRESIDENT'S REPORT (contd)

President Gee: (contd)

Pretty Good Grocery -- if we don't have it, you probably don't need it. What is it Keillor says? "All the women are strong, all the men are good looking, and all the children are above average." That sounds exactly like Ohio State to me!

Seriously, it has been a busy month since we last met. We have welcomed several distinguished visitors to our campuses. Gertrude Elion, a 1988 Nobel Prize winner in physiology and medicine for her work on chemotherapeutic drugs, spoke at The James Cancer Hospital and Research Institute. She also received the first honorary staff appointment to the Institute.

Jerome Lawrence, one of our most distinguished graduates, was welcomed back to campus. Mr. Lawrence graciously lent his presence to a dinner for the Lawrence and Lee Theatre Research Institute, one of the jewels in Ohio State's collections.

On the occasion of the first anniversary of the dedication of the Wexner Center for the Arts, Mikhail Baryshnikov and the White Oak Dance Project graced the stage of the Mershon Auditorium. Before the dance program, I was honored to participate in the meeting of the Wexner Center Foundation Board and the Wexner Center International Arts Advisory Council. Luminaries in the arts from literally around the world have volunteered their time and talent to assist this University in the enhancement of an outstanding arts program in the College of The Arts and in the Wexner Center.

Thanks to the continued generosity of Trustee Les Wexner, The Ohio State University has announced the creation of the Wexner Prize, an annual award of \$25,000, recognizing an established professional's continuing contributions to the advancement of creative freedom, innovation, and risk-taking in the arts.

We also have announced the Wexner Center Residency Awards, designed to bring outstanding artists to the University to create or complete new works and explore new directions with our faculty and students. These awards and other creative initiatives in the College of The Arts, will enrich the life of this University and enhance the educational experience for our students, faculty, and staff alike. It is this kind of environment that will enable us to attract Ohio's brightest scholars. We hosted a reception for National Merit finalists and their families this month, and our admissions counselors have been busy across the state meeting prospective students.

I visited over a half a dozen high schools this month, and the questions I was asked by students were quite interesting. One young man asked if standardized tests such as the ACT and SAT are overemphasized. Another asked about choosing a major, and always I am asked about financial aid. One question this Board might have been interested in hearing the answer to was asked by a young lady when she inquired: "Just what does a university president do all day?" Another asked what my salary was.

With my visit to the Lima campus, I completed my first tour of our extended facilities across the state. I can assure you that our colleagues in these settings are doing a great deal to advance our mission of teaching, research, and service.

## PRESIDENT'S REPORT (contd)

President Gee: (contd)

And what is going on today, literally as we speak? Ohio State is hosting the first international zebra mussel research conference, with presenters and participants from around the world looking at this serious problem. Most students are packing up and heading home for the holiday season. An unlucky few are probably sitting in a classroom at this very moment taking that last final exam.

Seniors are getting in a last round of visits with their friends before graduation tomorrow. State Senator Stan Aronoff will be our speaker, and Dick Armitage and Jack Beal will receive Distinguished Service Awards at the ceremony.

For faculty and staff, this next month provides an opportunity to work on research, write, "push some paper," and prepare for Winter Quarter. I created a bit of work for myself -- and others -- with the November issue of my monthly "President's Letter" to all faculty and staff members. You might remember that I called for a reduction in bureaucracy and a more humane and efficient organization in my fall address to the Senate.

Toward that end, this month I asked faculty and staff members to write to me with their suggestions -- and they certainly have!

One faculty member began a lengthy letter with this suggestion:

"Develop a bureaucratic ten commandments.

The first one should be: Thou shalt not say "no" to new projects, ideas, and so forth. The second should be: Thou shalt not let a form sit on thy desk for more than 24 hours."

This person clearly has the right idea. I have received many good suggestions on everything from purchasing procedures to the mail, from travel forms to, yes, even parking. The people out there know what needs to be done!

This is reflected in a so-called "research report" that I received from one faculty member titled: New Element Discovered at The Ohio State University. And as my final comment, just allow me to read it to you if I may. And I quote:

"The heaviest element known to science was recently discovered by physicists at The Ohio State University. The element, tentatively named ADMINISTRATIUM, has no protons or electrons and thus has an atomic number of zero. However, it does have 1 neutron, 126 assistant neutrons, 75 vice neutrons, and 11 assistant vice neutrons. These 213 particles are held together in a nucleus by a force that involves the continuous exchange of particles called morons.

"Since it has no electrons, ADMINISTRATIUM is inert. However, it can be detected chemically as it impedes every reaction it comes in contact with. According to the discoverers, a minute amount of ADMINISTRATIUM caused one reaction to take over four days to complete, when it would normally occur in less than one second. ADMINISTRATIUM, if it is allowed to accumulate, can easily destroy productive reactions."

### PRESIDENT'S REPORT (contd)

President Gee: (contd)

Well, I hope that the future results of our efforts to deal with "ADMINISTRATIUM" and bureaucracy will be more promising than that.

And, finally, Madam Chair, I take this opportunity to wish you, members of the Board, and members of this University family a happy holiday season.

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### RESEARCH FOUNDATION REPORT

Ms. Casto:

The Board of Directors of The Ohio State University Research Foundation met yesterday. The Board was pleased to welcome President Gee to his first OSURF meeting. Dr. Gee briefly commented on his perceptions of the capacity for research at The Ohio State University. He also acknowledged the dedication and sensitivity of OSURF staff to faculty research needs while challenging the organization to continue to evaluate ways that can best assist research programs to grow and prosper in these strained financial times.

The Board received an update on the status of OSURF's move to new quarters. A new computer has been delivered to the building and office systems furniture is currently being installed. The move is scheduled to be completed by mid-February with specific units planning their moves to minimize interference with proposal submissions and project services during the period.

The Board received descriptive reports from two units within OSURF, the Purchasing Department and Editorial and Printing Services. The Purchasing area assists faculty researchers in obtaining specialized equipment, research materials, and supplies needed to carry out their research projects. The Purchasing Department at OSURF exists in an environment that recognizes both the faculty desire for timely and efficient service and the regulatory requirements mandated by the federal sponsoring agencies.

The Research Foundation grants and contracts for the first four months of fiscal year 1990 are shown in the Board agenda book. There are 532 awards listed which provide a gross income of \$47 million. Funding for this quarter is approximately 1 percent below that of the first four months of 1989.

Among the grants and contracts submitted to the Board of Trustees for October are:

-- \$187,000 from the Department of Health and Human Services for a study on farm family health and other farm hazards. Some hazards of farming include the operation of heavy machinery, exposure to pesticides and similar chemicals, and contact with animals and animal wastes.

The investigators will study the health and safety of Ohio farm operators and family members, specifically those participating in cash grain farming, which is one of the most important agricultural activities in the State. The project will emphasize agricultural trauma, pesticide exposure, and occupational stress disorders.

### **RESEARCH FOUNDATION REPORT (contd)**

Ms. Casto: (contd)

-- \$125,000 from Apple Computer, Inc., for the development of a classroom of tomorrow. The classroom is a unique computer environment where students have access to "state of the art" computer hardware and software. These classrooms and the research conducted there have become well-known among researchers interested in the potential of computer environments for learning.

This recent award will support faculty work in the form of a research center that will provide a unique opportunity to examine multiple dimensions of a computer classroom, monitoring students from elementary through high school.

That concludes my report, Madam Chair.

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### **HOSPITALS BOARD COMMITTEE REPORT**

Mr. Teaford:

Other than the joint meeting with this Board last night, the Hospitals Board has not met since our last meeting. Since we were virtually all there, I will give you no report on that.

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### **INVESTMENTS COMMITTEE REPORT**

Mr. Teaford:

The Investments Committee met this morning and reviewed the status of the Endowment Portfolio as presented by Mr. Rodack. As of November 16, the market value of the University Endowment is \$303.4 million, which is up \$7.3 million since last month I am happy to report. And \$5.4 million of that is indeed a recovery in the stock market. An interesting thing to note at this point is that the addition to the endowment so far this year is \$11.7 million, which is about \$1 million above last year, which was a record year.

We also received the Quarterly Cash and Investments Report as of September 30. The total cash and investments of the University had declined from \$667 million to \$620 million. The major reason for the decline from June to September was the decline in the stock market in that period. Some minor reasons were just simply seasonality. Some of those funds are lower at certain times of the year, and the spending of certain borrowed funds.

We also had a brief report on development. As of the end November, contributions to the University were at \$19.1 million, up 60 percent over last year. And \$5.6 million of that is pledges from the campaign just ended, but all of the rest of it is

### **INVESTMENTS COMMITTEE REPORT (contd)**

Mr. Teaford: (contd)

indeed new money. Also, the number of donors is up 23 percent and the number of donors exceeds 29,000. And that completes my report, Madam Chairperson.

(See Appendix XXXV for complete context of The Ohio State University Endowment Summary, November 16, 1990, page 671.)

(See Appendix XXXVI for complete context of The Ohio State University Quarterly Cash and Investments Report, page 689.)

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### **ACADEMIC AFFAIRS COMMITTEE REPORT**

Mr. Kessler:

The Academic Affairs Committee met this morning and the recommendation to appoint Victor J. Mora as Director of Minority Graduate Students Development and Hispanic Affairs, was discussed extensively in our Committee meeting. Catita Williams and Arturo Presas appeared before the Committee and raised questions regarding Mr. Mora's qualifications for the position and some aspects of the search process. Information presented established that the search process followed all regular University procedures for administrative appointments.

Mr. Mora was in a top group of candidates based on the search committee's recommendation to Vice Provost Russell. In addition, the six candidates interviewed on campus met with other faculty, staff, students, and community leaders. For each of the candidates interviewed, at least a dozen letters of assessment were received by Dr. Russell supplementing the recommendations of the search committee.

On the basis of all the information received, Dr. Russell selected Mr. Mora for the appointment. A majority of the Academic Affairs Committee voted to recommend approval of Mr. Mora's appointment.

We are also recommending the following resolutions:

### **PERSONNEL ACTIONS**

Resolution No. 91-66

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 2, 1990 meeting of the Board, including the following Appointment, Reappointment of Concurrent Appointment, Reappointment of Chairperson of Department, Professional Improvement Leaves, Professional Improvement Leave--Cancellation, Professional Improvement Leave--Change in Dates, and Emeritus Title, and the Medical Staff Appointments for The Arthur G. James Cancer Hospital and Research Institute as detailed in the University Budget be approved.

**PERSONNEL ACTIONS (contd)**

**Appointment**

Name: VICTOR J. MORA  
Title: Director - Minority Graduate Students Development and Hispanic Affairs  
Office: Minority Affairs  
Effective: December 1, 1990  
Salary: \$35,040.00  
Present Position: Acting Director, Office of Minority Affairs

**Reappointment of Concurrent Appointment**

Name: JOHN O. RIEDL  
Title: Coordinating Dean for Regional Campuses  
Office: Academic Affairs  
Effective Period: July 1, 1990 - June 30, 1992  
Salary: \$92,080.00  
Present Position: Dean/Director, Mansfield Campus and Coordinating Dean for Regional Campuses

**Reappointment of Chairperson of Department**

October 1, 1990 through June 30, 1994

Chemistry

Russell M. Pitzer

**Professional Improvement Leaves**

MICHAEL D. DAVIS, Professor, School of Music, effective Winter Quarter and Spring Quarter 1992.

WARREN A. DICK, Professor, Department of Agronomy, effective September 1, 1991, through August 31, 1992.

TIMOTHY E. GREGORY, Professor, Department of History, effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

JOSEPH HAVLICEK, JR., Professor, Department of Agricultural Economics and Rural Sociology, effective July 1, 1991, through June 30, 1992.

SUSAN L. HUNTINGTON, Professor, Department of History of Art, effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

DAVID R. LAMB, Professor, School of Health, Physical Education, and Recreation, effective Spring Quarter and Autumn Quarter 1991.

MARGARITA M. LEVISI, Professor, Department of Spanish and Portuguese, effective Autumn Quarter 1991 and Winter Quarter 1992.

ERNEST H. LOCKRIDGE, Professor, Department of English, effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

ROSEMARY D. PLATT, Professor, School of Music, effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.



### PERSONNEL ACTIONS (contd)

#### Professional Improvement Leaves (contd)

FRANK T. COULSON, Associate Professor, Department of Classics, effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

FRANKLIN H. PROANO, Associate Professor, Division of Comparative Studies in the Humanities (Marion Campus), effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

ANELYA E. RUGALEVA, Associate Professor, Department of Slavic and East European Languages and Literatures, effective Autumn Quarter 1991, Winter Quarter and Spring Quarter 1992.

MARSHA J. HAMILTON, Assistant Professor, University Libraries, effective July 1, 1991, through June 30, 1992.

#### Professional Improvement Leave--Cancellation

MICHAEL J. KINDRED, Professor, College of Law, effective Spring Semester 1991.

#### Professional Improvement Leave--Change in Dates

JOHN J. LIMA, Associate Professor, College of Pharmacy--Division of Pharmacy Practice, change leave from November 1, 1990, through May 31, 1991, to December 1, 1990, through June 30, 1991.

#### Emeritus Title

JOHN E. KING, College of Optometry, with the title Associate Professor and Assistant Dean Emeritus, effective December 1, 1990.

#### Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)

BLUMENFELD, MICHAEL, M.D., Associate Attending Staff, Department of OB/GYN

BULLOCK, THOMAS R., M.D., Associate Attending Staff, Department of Preventive Medicine

CALDWELL, JAMES H., M.D., Associate Attending Staff, Department of Internal Medicine--Division of Gastroenterology

DAYTON, MARK A., M.D., Attending Staff, Department of Internal Medicine--Division of Hematology/Oncology

FREEDY, LUCY R., M.D., Associate Attending Staff, Department of Radiology

GABBE, STEVEN G., M.D., Associate Attending Staff, Department of OB/GYN

GOLDBERG, JEFFREY M., M.D., Associate Attending Staff, Department of OB/GYN

GRAY, LINDA S., M.D., Associate Attending Staff, Department of Internal Medicine--Division of Rheumatology

HEGTVEDT, ARDEN K., D.D.S., Associate Attending Staff, College of Dentistry

**PERSONNEL ACTIONS (contd)**

Medical Staff--Appointments (The Arthur G. James Cancer Hospital and Research Institute)  
(contd)

HUDSON, NORMAN P., M.D., Associate Attending Staff, Department of Internal Medicine--  
Division of Rheumatology

JOPLING, MICHAEL W., M.D., Associate Attending Staff, Anesthesiology

KUEBLER, JOHN P., M.D., Clinical Attending Staff, Department of Internal Medicine--Division of  
Hematology/Oncology

LETSON, ALAN D., M.D., Clinical Attending Staff, Department of Ophthalmology

LOMBARDO, JOHN A., M.D., Associate Attending Staff, Department of Family Medicine

PAGE, HENRY L., JR., D.D.S., Associate Attending Staff, College of Dentistry

PFEIL, SHERYL A., M.D., Associate Attending Staff, Department of Internal Medicine--Division of  
Gastroenterology

RACEY, GARY L., D.D.S., Clinical Attending Staff, College of Dentistry

RAO, M. BHASKAR, M.D., Associate Attending Staff, Department of Internal Medicine--Division  
of Endocrinology

SICKLE-SANTANELLO, BRENDA J., M.D., Clinical Attending Staff, Department of Surgery,  
Division of Surgical Oncology

TETERIS, NICHOLAS, M.D., Associate Attending Staff, Department of OB/GYN

VAUGHN, BRADLEY K., M.D., Clinical Attending Staff, Department of Surgery--Division of  
Orthopedics

VENESY, DEBORAH A., M.D., Associate Attending Staff, Department of Physical Medicine

WHISLER, RONALD L., M.D., Associate Attending Staff, Department of Internal Medicine--  
Division of Rheumatology

YATES, ALLAN J., M.D., Associate Attending Staff, Department of Pathology

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the  
foregoing resolution by unanimous roll call vote.

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**RESOLUTIONS IN MEMORIAM**

Resolution No. 91-67

Synopsis: The Academic Affairs Committee recommended the approval of Resolutions in  
Memoriam for Ruth M. Beard, John Gersten, Milton W. Overholt, and Gilbert W. Woodburn.

### **RESOLUTIONS IN MEMORIAM (contd)**

RESOLVED, That the Board adopt the following Resolutions in Memoriam and that the President be requested to convey a copy to the families of the deceased.

#### **Ruth Mildred Beard**

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 15, 1990, of Ruth M. Beard, Professor Emeritus in the Department of Family Resource Management.

Ms. Beard was born in Columbus, Ohio, on September 20, 1909. She received her B.S. in Home Economics Education in 1931 from The Ohio State University, and her M.S. in Home Management and Household Equipment in 1933 also from The Ohio State University.

Ms. Beard was associated with the University as a Graduate Assistant beginning in 1931 in the Household Equipment Division with the School of Home Economics. She subsequently held an Instructor position in the Household Equipment Division, and then Assistant Professor, Household Management Specialist with the Ohio Agricultural Extension Service from 1941 to 1946. Ms. Beard was an Assistant Professor from 1946 to 1955, when she was promoted to Associate Professor. Ms. Beard also served as Acting Chairperson of the Household Equipment Division from 1954 to 1955, and chairperson from 1955 to 1959. She again served as Acting Chairperson from 1960 to 1962.

Ms. Beard was considered one of the best teachers by both undergraduate and graduate students. She was chosen "Professor of the Year" by students in the School of Home Economics, Spring 1954. She was an honorary member of Omicron Nu, 1949, a national home economic honorary and in 1960 and honorary member of Phi Upsilon Omicron. In 1968 Ms. Beard was chosen an honorary member of Chimes, a Jr. Women's Honorary, and she was also a member of Alpha Gamma Delta Sorority.

Dr. Dorothy D. Scott, former director of the School of Home Economics stated in regards to Ms. Beard, "A dedicated teacher who has devoted her entire professional life to Ohio State University -- very resourceful and imaginative. Devoted to extension and adult education and contributes much in these areas." The College of Human Ecology pays tribute to Ms. Beard's many contributions to teaching and the College and University.

On behalf of the University community, the Board of Trustees expresses to the family of Professor Beard its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's realization of the loss that the family, the University, and her many friends and associates have sustained.

#### **John Gersten**

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 25, 1990, of John Gersten, M.D., Associate Professor Emeritus in the Department of Cell Biology, Neurobiology and Anatomy in the College of Medicine.

## **RESOLUTIONS IN MEMORIAM (contd)**

### **John Gersten (contd)**

Dr. John Gersten, a native of New York City, was born on June 25, 1904 and reared in Philadelphia, Pennsylvania. He graduated in 1926 from the University of Pennsylvania with an A.B., but could not continue on to medical school because of lack of funds. Determined to continue his education, he enrolled in the graduate school at The Ohio State University: after one quarter he was hired by Dr. Landacre, the chairman of the Department of Anatomy, College of Medicine, to assist in the teaching of human anatomy. This was the beginning of a lasting love John had for teaching. This job enabled him to enroll in the College of Medicine at The Ohio State University in 1929. In order to help pay his way through medical school, he continued to teach human anatomy, preparation of which required him to take summer courses at the University of Michigan. He graduated in December 1933 with an M.D. from The Ohio State University's College of Medicine.

Dr. Gersten served his internship in California at Stanford and at San Francisco County Hospitals. Upon completion of his Internship, he moved to Toledo, Ohio. From 1935-1949, Dr. Gersten had one of the largest general practices in Toledo. His love of teaching, however, pulled him back to Ohio State where he taught human anatomy, once again, in the College of Medicine. He was made an assistant professor in 1950.

His boundless energy called him into a residency which he completed in 1955 and he obtained board certification in otolaryngology. In 1961 he was promoted to associate professor. He retired in 1965 as associate professor emeritus.

In May 1962, Dr. Gersten went to Vienna, Austria, to study surgical procedures on the middle ear and while there was given the honorary position of vice president of the American Medical Society of Vienna. Besides a life membership in this organization, he also held memberships in the Academy of Medicine; the Ohio Medical Historical Society; Sigma Xi; the American Academy of Ophthalmology and Otolaryngology; charter member of the American Committee of World Medical Association and Fellow of the Board of Otolaryngology.

He also did research at The Ohio State University and published articles on human anatomy, autoradiography and cancer of the mastoid bone.

Dr. Gersten was loved by his students for his fine teaching, his clever witticisms and his desire to be a good friend of the medical students. His lectures were erudite and lucid. He held that the good student needs little help, but he was ready to help the confused or the slow student. He was a longtime Columbus Physician who was beloved by his patients.

It is always difficult to put down the sum of a man's life in a few words and especially difficult to summarize the life and achievements of John Gersten, as a man, as an anatomist, as a physician and as a friend. He had the great fortune to, live a rich, productive life that matched the sparkle of his personality and the individuality of his character.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Gersten its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's realization of the loss that the family, the University, and his many friends and associates have sustained.

## RESOLUTIONS IN MEMORIAM (contd)

Milton W. Overholt

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 14, 1990, of Milton W. Overholt, Associate Dean of Men Emeritus in the Office of Student Affairs.

Milton Overholt was born December 29, 1917, in Lafayette, Ohio. He graduated from Medina High School, Medina, Ohio, in 1936, and was awarded his B.S. in Education from The Ohio State University in 1941. As an undergraduate, he was elected to the honor societies Kappa Phi Kappa (where he served as vice president), Phi Eta Sigma, and Alpha Phi Omega. Also as a student leader, he served on the College of Education Council and was president of the Men's Physical Education Association.

Mr. Overholt entered the U.S. Navy in September 1941 as Chief Petty Officer and was honorably discharged as a Lieutenant in 1945. From 1943 to 1945, he was the Officer-in-Charge of the Registered Publications Issuing Office, 14th Naval District, Pearl Harbor, Hawaii. He was entitled to wear the American Defense, Pacific Theater, and Victory Decorations.

He returned to the University in 1946 as a graduate assistant and as Director of the Naval Station Dormitory, and was named manager of the River Road housing for veterans. He also served in the Dean of Men's Office with the huge responsibility of providing housing for the thousands of military veterans who enrolled as students. He was named Assistant Dean of Men and Supervisor of Men's Residence Halls in 1954, and was promoted to Associate Dean in 1961. With the creation of the Dean of Students Office in 1969, his responsibilities were broadened to include the administration of all residence halls. Upon his retirement on June 30, 1977, he was named Associate Dean of Men Emeritus in the Division of Student Affairs.

Milton Overholt was a member of the Association of College and University Housing Officers (where he served as chairman of the Nominations and Resolutions Committees), The National Association of Student Personnel Administrators, Big Ten Housing Officers, and the Ohio Association of College Housing Officers. Included among his University committee assignments were the Council on Student Affairs, Scholarship Committee, Employee Relations and Negotiating Committee, Council on Student Housing, the Ohio Union Board, The Ohio State University Student Loan Foundation, Inc., The Ohio State University Golf Course's Greens Committee, and the Faculty Club House Committee in 1968 and 1974.

Mr. Overholt earned the respect and admiration of students, colleagues, and friends and will be remembered for his tireless efforts and professional leadership to enhance the quality of life in The Ohio State University community.

On behalf of the University, the Board of Trustees expresses its sympathy and understanding to the family of Milton W. Overholt. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Gilbert W. Woodburn

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 28, 1990, of Gilbert W. Woodburn, Associate Professor Emeritus in the Cooperative Extension Service.

## **RESOLUTIONS IN MEMORIAM (contd)**

Gilbert W. Woodburn (contd)

Mr. Woodburn was born May 20, 1925, in Sullivant, Ohio. He served in the U.S. Army from 1943 to 1946. He received his B.S. in Agricultural Education from The Ohio State University in 1950 and began work on his Master's degree in 1951. He became a Vocational Agriculture Instructor and continued in this area of education until 1965.

Mr. Woodburn began his Extension experience in Ohio when he joined the faculty at The Ohio State University in 1965 as a County Extension Agent, 4-H in Greene County. In 1967 he moved to Paulding County as an Agricultural Extension Agent, and later joined the faculty in Marion County in 1974 as Chair and continued in this position until his retirement in 1982. He also attended graduate courses at the Colorado State University and at The Ohio State University.

He was a member of the Ohio County Extension Agent's Association, National County Agricultural Agent's Association, Phi Epsilon Phi, served as chairman of the Citizen's Advisory Committee to the Paulding School Board, County Public Relations Chairman, County Chairman-Agricultural Teachers, District Chairman of Ohio Vocational Agriculture Teacher's Association, Scout Campmaster, past member of the Ohio Educational Association and American Vocational Association. He attended many Extension conferences throughout his association with the Ohio Cooperative Extension Service.

Mr. Woodburn's contributions in providing excellent extension educational programs during his career earned him the respect and admiration of his coworkers and many thousands of Ohio citizens throughout the length and breadth of Marion County.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to the family of Mr. Woodburn. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Upon motion of Mr. Kessler, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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## **STUDENT AFFAIRS COMMITTEE REPORT**

Ms. Paige:

This morning Dr. James Mager, Director of Admissions made a presentation to the Student Affairs Committee regarding University Undergraduate Student Recruitment. This has become a highly visible topic within the past year because of the declining numbers of high school graduates from most states including Ohio. Leaders within the University community have been working towards the goal of attracting the best qualified students who will have the highest potential for success.

Dr. Mager indicated that the focus of recruitment has been on those students that The Ohio State University can best serve -- namely students who have taken the college preparatory curriculum and who have performed well in that curriculum. Special efforts have also been implemented to attract high ability, minority, and students with special talents in such areas as music, the arts and leadership.

### STUDENT AFFAIRS COMMITTEE REPORT (contd)

Ms. Paige: (contd)

Recruitment efforts are decentralized with several university offices and departments participating. Some of the major offices include: the Admissions Office, the Office of Minority Affairs, the University Honors Office, the Office of Student Financial Aid, college offices, and the Alumni Association. Recruitment initiatives include: high school visits, direct mail, visitations on campus, telephone campaigns, alumni participation, the admissions video, and publications.

These efforts have been successful in attracting academically prepared freshman classes which include increasing numbers of minority students and otherwise talented students. And I am pleased to say that some of us got copies of the new official Ohio State University video.

Next we heard reports from the student government leaders:

Mr. Mike Clark:

We are addressing the issue of the search for the next student trustee. I believe that in the past, this has been the time for the three governing presidents to bring their recommendations forward and let you know the progress. We feel that to have a better search and a better method of finding more qualified students for this position, we need to extend the deadline for applications to a later date. The three student governments (Undergraduate Student Government, Council of Graduate Students, and Interprofessional Council) are working together on the nomination process for a new student member to the Board of Trustees. We certainly appreciate the opportunity to have student advocates on the Board and believe that the three students who have served us thus far have contributed to a greater understanding and awareness of student issues.

We have already made applications available to students and also to faculty so they can distribute them to students. We will try to follow an application deadline of January 25, 1991; a Screening Committee deadline of February 11, 1991; and have the final Interviewing Committee deadline March 4, 1991. Although this time line may not be in keeping with previous years, we believe that this schedule will allow sufficient time for more qualified students to apply.

We have a brief list of what we feel this may cost. We would like the Board, if possible, to support us in the process of finding students. We feel that we definitely need to advertise more than what has been done in the past. I don't know exactly all of the details from the past years, but we need to increase advertising to attract more qualified students for the position.

Mr. Teaford:

Do you have the money, Russ?

Dr. Spillman:

The Board did provide funds last year with the help of Mr. Scott.

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Teaford:

Scottie said last year that the Board did provide the funds afforded.

Mr. Clark:

We are asking for this Committee to bring the issue to the entire Board when you have your meeting today.

Mr. Tonnies:

How much money was given last year?

Dr. Spillman:

I don't remember off the top of my head. You may recall, those of you who were on the Board last year, that we had the earlier deadline. That original deadline, from my perception, was established when the Legislation first came out and the Governor wanted the names by December 15. That makes it very difficult for students on the quarter system. By the time they are settled in, December is upon us. Last year we had to go beyond that deadline. The Board was concerned about the number of candidates and asked that the students go back and do some additional advertising and get additional candidates, which they did. At that time, I believe, Mr. Scott assisted them. I support this extension because I really don't think trying to have the names by December 15 gives us enough time to advertise and get people involved.

Mr. Shumate:

Mike, as you know, we have been very supportive of this effort. Just out of curiosity though, it says \$300 for copies of applications, what does that --

Mr. Clark:

These are actual copies of the applications -- three pages each. We try to distribute those to the different colleges, professional students, graduate students, and undergraduate students. We also try and make copies available at each college office. We distribute them to faculty members so they can take them to students that they know; to different student organizations; fraternities, sororities, and honoraries.

Mr. Shumate:

The Lantern won't give you a discount?

Mr. Clark:

No.

Ms. Burton:

They told us that the \$214.00 price was the discount. That was \$4.00 less.



**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Teaford:

I hope that in some part of this program we will work on this. I take a lot of grief, because there are no undergraduate trustees. I point out that the Trustees don't have anything to do with that, but a lot of people seem to think that we, non-student trustees, somehow do. So I hope that you will work on addressing that problem.

Ms. Burton:

We thought we would go back to our constituencies and discuss this process. We are concerned about the perception that students have equal rights to the position, and if the perception out there is that they don't have the opportunity, we need to go back and change the process. I think we could change it between our groups and maybe decide only to present certain applications to the Governor.

Dr. Spillman:

We need to say that if they make any changes in the process, it must come back to the Board for review and approval.

Ms. Paige:

I think my main concern is that if you would decide to present an undergraduate student that it be clearly stated this year, so there would not be any misinterpretation. I think that if a student applies, they have every right to that position. If you want to give it to an undergraduate, you have to clearly state that in the application because you would be wasting a lot of applicants' time otherwise. But if you go ahead and say that these applications are open to any student, then that is how you need to proceed.

Ms. Burton:

And it is our intention to proceed in that manner this year. We are going to wait and see what the Governor does and the perception among our constituencies, as to how they feel about the process, before we think about changing it.

Ms. Paige:

Has there been any discussion about restricting the position?

Dr. Spillman:

A year ago the three student governments discussed the possibility of alternating -- one year submitting an undergraduate slate and the next year submitting a graduate/professional slate, but they never came to an agreement. They never came forth with a proposal to the Board. I think that it is also fair to say that the guidelines indicate that the student government must submit five names to the Governor and the Governor makes the final choice. I believe that on both slates there were undergraduates, but in the minority.

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Mr. Evans:

We were confident with all of the selections going to the Governor, as were the undergraduates.

Ms. Paige:

I am not sure about your budget, but I think that Mr. Sloan asked for a particular amount that would be designated for the search process.

Mr. Clark:

I am not sure what Steve has done. We had an agreement -- the three of us -- to equally share the burden three ways. I don't know when he did his report to the Council of Student Affairs or what that constituted.

Dr. Spillman:

And I don't know whether that was approved or not. I could look it up.

Ms. Paige:

I know that Steve submitted it in his budget, and I thought that he did get money for that.

Dr. Spillman:

Let me check that. I don't think you need to take any action unless you are uncomfortable with the time line being extended.

Mr. Teaford:

No problem.

Ms. Burton:

As you know, the Council of Graduate Students has been discussing the quarter versus semester issue since January 1990, and an ad-hoc committee was formed by our former CGS President Luke Evans. They have researched the issue and conducted a poll and brought forth a resolution to the Council. On October 30, the Council approved this resolution, I would like to share this resolution now and then add a formal request that the Chair shared with the entire Board:

WHEREAS over 70 percent of U.S. colleges and universities operate on some form of semester calendar; and

WHEREAS of those universities on a semester calendar, 80 percent are on an early semester calendar; and

WHEREAS a recent poll by the Council of Graduate Students indicated that two-thirds of the graduate students who responded preferred a semester calendar; and

**STUDENT AFFAIRS COMMITTEE REPORT (contd)**

Ms. Burton: (contd)

WHEREAS the opportunity for higher quality education and scholarship can be enhanced under a semester calendar by providing more opportunities for in-depth pursuit of academic studies; and

WHEREAS a semester calendar could better attract graduate students from outside the university, both domestic and international, by facilitating credit transfer, joint research efforts, and student exchange; and

WHEREAS expanded use of facilities, a primary reason for adopting the quarter calendar in 1922, is equally met by an early semester calendar; and

WHEREAS savings would be realized by changing to a semester calendar, in that the administrative cost for a semester calendar is lower than that of a quarter calendar due to one less registration period; and

WHEREAS the current curriculum reform seeks to improve the technical, social, and critical thinking skills of its students, an early semester calendar provides a structure that better promotes these goals and the University's stated goal "... to enhance the quality of human life through developing the individual capacity for enlightened understanding, thinking, and acting"; therefore

Let it be resolved that the Council of Graduate Students supports changing the academic calendar from a quarter to an early semester calendar, and that the Council authorizes the President of the Council to direct the ad hoc Quarter Re-Evaluation Committee to speak on behalf of the Council before University officials and the constituencies of the University, and

Let it also be resolved that the Council of Graduate Students thanks President Gee for encouraging discussion of calendar reform and that the Council supports the formation of a University-wide Committee, which would include graduate student representation, and

Let it further be resolved that the Council recognizes the complexity involved in changing the academic calendar and urges a major effort and commitment to a spirit of cooperation by the constituencies of the University.

To conclude, the Council firmly believes that the change in the academic calendar to the early semester calendar would afford us the opportunity to change the sleeping giant from very good into an outstanding institution in terms of promoting more in-depth academic learning, reducing the complexity and cost of this bureaucratic structure. It would also allow for the development of stronger social relations through longer terms, thus enhancing the quality of life not only for graduate students, but for all students, faculty, staff and administrators. We believe that a change to the early semester calendar would compute to a less stressful and more positive environment for all. This Council desires through the Board of Trustees to support discussion of this issue and we would hope that you would honor our request.

### **STUDENT AFFAIRS COMMITTEE REPORT (contd)**

President Gee:

I might note that Dr. Hutchinson, in conjunction with the steering committee of the University Senate, has formed or is in the process of forming a committee to look at this issue, at the request that I put forth some time back. I'm enthusiastically committed to discussing it and in fact I have my own views which are very similar to yours. I might just note one thing, Benetta, that one needs only to serve a very short period of time as President of this University to understand that if there is anything sleeping about this giant, I would sure like to know what it is.

(See Appendix XXXVII for complete context of the Procedures and Criteria for Nominating Students to Serve on The Ohio State University Board of Trustees, page 691.)

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### **AGRICULTURAL AFFAIRS COMMITTEE REPORT**

Ms. Casto:

Dr. Jourdan described novel materials that can be used for science instruction at all levels of learning (from kindergarten to graduate school). These materials consist of a group of plants, the Rapid Cycling Brassicas, that because they have a very short life cycle, facilitate the use of a live organism for demonstration of various biological concepts. A result of these activities, it is likely to be a more effective way to learn science and perhaps more students will consider science as a career.

I thought it was very interesting. They took things that were very practical -- anyone could find around the house. It is something that anyone in the elementary schools could do and they were even doing genetic studies on it in graduate school. Within a thirty-day cycle -- or close to a five week cycle -- it has full growth and has gone through its complete life cycle. It is certainly an alternative method and it is also increases the appreciation that people can have for plants.

(See Appendix XXXVIII for complete context of the Instruction in Plant Science: Exciting and Relevant, page 695.)

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### **FISCAL AFFAIRS COMMITTEE REPORT**

Mr. Teaford:

The Fiscal Affairs Committee met this morning and is recommending the following resolutions:

#### **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS**

Resolution No. 91-68

Synopsis: The Fiscal Affairs Committee recommended the approval of the following reports on contracts, grants, and gifts and the summary for October 1990.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial, other agencies, alumni, and various individuals in support of research, instructional activities, and service; and

WHEREAS such gifts and grants are received through The Ohio State University Research Foundation, the Engineering Experiment Station of The Ohio State University, and The Ohio State University Development Fund:

NOW THEREFORE

BE IT RESOLVED, That the research agreement between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, The Ohio State University Development Fund during the month of October 1990 be approved.

Upon motion of Mr. Teaford, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

Background

<u>Source</u>	<u>7/1/89-10/31/90</u>	<u>7/1/90-10/31/90</u>	<u>October 1990</u>
The Ohio State University Research Foundation	\$47,636,391.55	\$47,170,374.52	\$12,229,561.32
Engineering Experiment Station	\$ 2,065,159.00	\$ 3,583,397.00	\$ 797,686.00
Development Fund	\$ 9,965,960.00	\$16,372,292.00	\$ 3,931,688.00
The Ohio State University Development Fund			
Establishment of Named Funds			
The John H. and Mildred C. Lumley Medical Research Endowment Fund (Support medical research)			\$1,500,000.00
The John H. and Mildred C. Lumley Engineering Endowment Fund (Promote and enhance engineering research)			\$ 500,000.00
The Webster Robinson and Frank and Catherine Carrier Cancer Research Endowment Fund (Support cancer research)			\$ 350,000.00
The Dr. William D. Cunningham and Anna R. Cunningham Fund (Study of the treatment and/or cure of diabetes)			\$ 199,286.00
The Marion Spurrier Yingling Medical Research Fellowship (Support medical research by a Fellow in Hematology and Oncology)			\$ 100,000.00

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

Background (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Jerome Lawrence and Robert E. Lee Theatre Research Institute Endowment Fund (Support of the Institute)	\$ 63,543.74
The Dr. Leslie Kasdorf Cramer Endowed Memorial Scholarship Fund (Scholarships - College of Veterinary Medicine)	\$ 15,000.00
The John H. and Ruth W. Melvin Endowment Fund (Support programs of education and research - Department of Physical Medicine)	\$ 15,000.00
The Clara and Cal Prine Classical Music Broadcast Fund (Support of classical music broadcasting - WOSU-FM)	\$ 5,000.00

Change in Name and Description of Named Fund

From: Medicine Class of 1941 Fund  
To: The Medicine Class of 1941 Fund

Change in Description of Named Fund

The Wright Memorial Steel Castings Educational Fund

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Report - October 1990

**Federal Research Contracts/Grants**

\$4,966,629.00 - Department of Labor, Bureau of Labor Statistics, Washington, D.C., National Longitudinal Surveys of Labor Market Experience, Round 13, Center for Human Resource Research (R. J. Olsen), 14 September 1990 through 31 March 1993. (Project 768685 - Continuation)

\$1,206,642.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Financial Resources Management (FIRM) Project, Department of Agricultural Economics and Rural Sociology (R. L. Meyer, C. Gonzalez-Vega, and C. E. Cuevas), 1 January 1990 through 30 September 1991. (Project 767920 - Continuation)

\$218,327.00 - National Science Foundation, Washington, D.C., Protein Folding, Stability, and Small Molecule Interactions, Department of Biochemistry (W. J. Becktel), 15 September 1990 through 31 August 1993. (Project 768686 - New)

\$194,647.00 - Department of Energy, Idaho Falls, Idaho, Installation and Evaluation of a Nuclear Power Plant Operator Advisor Based on Artificial Intelligence Technology, Department of Mechanical Engineering (B. K. Hajek and D. W. Miller), 1 October 1990 through 30 September 1991. (Project 767097 - Continuation)

\$187,093.00 - Department of Health and Human Services, National Institute for Occupational Safety and Health, Atlanta, Georgia, A Farm Family Health and Hazard Surveillance Program for Cash Grain Farmers in Ohio, Department of Preventive Medicine (J. R. Wilkins, III, J. V. Gaeuman, C. A. Heaney, and M. L. Moeschberger), Department of Agricultural Engineering (T. L. Bean), and Department of Entomology (F. R. Hall), 28 September 1990 through 27 September 1991. (Project 768645 - New)

\$166,272.00 - Department of Education, Washington, D.C., Supplemental Financial Aid for Graduate Students in Mathematics, Department of Mathematics (J. R. Leitzel and J. P. Huneke), 1 January 1991 through 31 December 1991. (Project 767099 - Continuation)

\$165,675.00 - Environmental Protection Agency, Washington, D.C., Development of Improved Field Equipment and Interpretation Procedures for Ground Penetrating Radar to Analyze the Geohydrologic Setting of Hazardous Waste Sites, Department of Geology and Mineralogy (J. J. Daniels) and Department of Electrical Engineering (L. Peters, Jr.), 29 September 1988 through 28 September 1990. (Project 767043 - Continuation)

\$159,262.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, General Simulation of Helicopters and Interface to Antenna Pattern Prediction Codes, ElectroScience Laboratory, Department of Electrical Engineering (E. H. Newman and R. G. Rojas), 1 July 1990 through 30 June 1991. (Project 767820 - Continuation)

\$152,045.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, A Cooperative Tropical Paleoclimatic Ice Core Study in the Cordillera Blanca, Peru, and Its Relationship to Global Climatic Variability, Byrd Polar Research Center (L. G. Thompson and E. Mosley-Thompson), 1 September 1990 through 31 August 1991. (Project 767881 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$151,350.00 - Department of Education, Washington, D.C., Fellowships for Competitiveness in Chemistry in the 21st Century, Department of Chemistry (C. W. Mathews), 1 January 1991 through 31 December 1991. (Project 767096 - Continuation)

\$150,000.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, General Clinical Research Center, Medicine Administration (M. Tzagournis) and Department of Internal Medicine (W. Malarkey), 1 December 1989 through 30 November 1990. (Project 761196 - Continuation)

\$135,000.00 - Environmental Protection Agency, Washington, D.C., In Situ Remediation of Metal-Contaminated Landfill Materials, Department of Agronomy - OARDC and Department of Agronomy (T. J. Logan), Department of Agronomy (S. J. Traina), and Department of Geology and Mineralogy (F. W. Schwartz), 28 September 1990 through 27 September 1991. (Project 768648 - New)

\$130,889.00 - Department of Health and Human Services, National Institute on Alcohol Abuse and Alcoholism, Rockville, Maryland, OSU Nursing Faculty Development in Substance Abuse, Department of Life Span Process (E. Burns), 28 September 1990 through 31 August 1991. (Project 768618 - New)

\$120,000.00 - National Science Foundation, Washington, D.C., The Environmental History of the Amazon Rain Forest, Department of Zoology (P. A. Colinvaux), 15 August 1990 through 31 July 1991. (Project 768632 - New)

\$115,558.00 - Department of Education, Washington, D.C., Developing the Gateway to Help/Teach Students to Apply Critical Thinking Skills in Evaluating Library Material, University Libraries (V. M. Tiefel), 1 October 1990 through 30 September 1991. (Project 768677 - New)

\$114,151.00 - Department of Health and Human Services, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Delivery of Anti-AIDS Drug 2', 3'-Dideoxyinosine, Department of Surgery (M. G. Wientjes) and College of Pharmacy (J. L. Au), 1 September 1990 through 31 August 1991. (Project 767804 - Continuation)

\$110,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Proline Biosynthetic Genes and Control of Osmotic Stress in Plants, Biotechnology Program and Department of Molecular Genetics (D. P. S. Verma), 15 September 1990 through 30 September 1992. (Project 768663 - New)

\$107,025.00 - Department of Energy, Idaho Falls, Idaho, Diagnostic Hierarchy Approach to Root Cause Analysis for Heavy Water Reactor Malfunction Management, Department of Mechanical Engineering (D. W. Miller), 30 September 1990 through 29 September 1991. (Project 768699 - New)

\$106,362.00 - Department of Education, Washington, D.C., Cooperative Education Grant for the Professional Practice Program, Business Administration (R. L. Racster), 1 September 1990 through 31 August 1991. (Project 768861 - New)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$99,837.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Image Representation of Target Scattering Properties and Target Signature Modeling, ElectroScience Laboratory, Department of Electrical Engineering (W. D. Burnside and R. J. Marhefka), 1 September 1990 through 31 August 1991. (Project 767063 - Continuation)

\$98,861.00 - Department of Education, Washington, D.C., Mid-Career Teacher Training in Region V for 1990-1991 and 1991-1992, Department of Agricultural Education (J. M. Cano), 1 October 1990 through 30 September 1992. (Project 768652 - New)

\$96,621.00 - Department of Health and Human Services, Maternal and Child Health Bureau, Rockville, Maryland, An Indigenous Model for Enhancing Access to Genetic and Maternal and Child Health Services for Southeast Asian Refugee Populations, Department of Preventive Medicine (M. S. C. Chen), Department of Anthropology (A. Zaharlick), and Department of Pediatrics (A. Sommer), 1 October 1990 through 30 September 1991. (Project 768695 - New)

\$87,143.00 - Department of Education, Washington, D.C., Historical Theatrical Documents in Microform: A Proposal for Preservation and Bibliographic Access, University Libraries (W. L. Boomgaarden and N. L. Couch), 1 December 1990 through 30 November 1991. (Project 768665 - New)

\$85,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Silver Spring, Maryland, Recent Precipitation Variations Over the Greenland Ice Sheet, Byrd Polar Research Center (D. H. Bromwich), 1 September 1990 through 31 August 1991. (Project 768658 - New)

\$84,197.00 - Department of Energy, Idaho Falls, Idaho, Development of an Empirical Model for a Steam Driven Emergency Core Cooling System for an Inherently Safe Reactor and a Dynamic Methodology for System Reliability Assessment, Department of Mechanical Engineering (R. N. Christensen and T. Aldemir), 30 September 1990 through 30 September 1991. (Project 767093 - Continuation)

\$83,827.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Silver Spring, Maryland, Snow and Ice Process Studies Using Automatic Satellite-Linked Weather Stations in the High Altitude Tropics of Peru, Byrd Polar Research Center (L. G. Thompson), 1 September 1990 through 31 August 1991. (Project 768656 - New)

\$80,578.00 - Department of Health and Human Services, National Eye Institute, Bethesda, Maryland, The Optimal Corneal Shape, College of Optometry (L. G. Carney), 30 September 1990 through 29 September 1991. (Project 766416 - Continuation)

\$80,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Molecular Analysis of S-allele Function in Self-Incompatible and Pseudo-Self-Compatible *Petunia*, Biological Sciences Administration (T. L. Sims and G. L. Floyd), 1 September 1990 through 31 August 1992. (Project 768617 - New)

\$72,860.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., On the Behavior of Non-Newtonian Fluids: Analysis Computation and Experiment, Department of Mathematics (M. G. Forest) and Department of Engineering Mechanics (S. E. Bechtel), 1 October 1990 through 30 September 1991. (Project 768202 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$68,337.00 - Department of the Interior, Office of Surface Mining Reclamation and Enforcement, Pittsburgh, Pennsylvania, Maintenance of Compaction Alleviation in Mineland Soil, Department of Agronomy - OARDC (E. L. McCoy, A. L. Barta, and P. Sutton), 30 September 1990 through 29 September 1991. (Project 767037 - Continuation)

\$68,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, A Mechanistic Study of the Brittle to Ductile Transition in High Melting Point Intermetallic Compounds, Department of Materials Science and Engineering (H. L. Fraser), 14 September 1990 through 31 March 1991. (Project 768191 - Continuation)

\$48,927.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, Cooperative Human Tissue Network, Comprehensive Cancer Center and Department of Pathology (K. Clausen) and Comprehensive Cancer Center and Department of Physiological Chemistry (R. W. Trewyn), 1 January 1990 through 31 December 1990. (Project 765857 - Continuation)

\$47,500.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Investigation of the Hepatotoxic and Immunotoxic Effects of the Peroxisome Proliferator, Perfluorodecanoic Acid, Department of Veterinary Pathobiology (M. J. Tarr and G. S. Krakowka), 1 September 1990 through 31 March 1991. (Project 768380 - New)

\$40,000.00 - National Science Foundation, Washington, D.C., Physical Regularizations of the Motion of a Vortex Sheet, Department of Mathematics (G. R. Baker, G. Majda, and A. Nachbin), 1 July 1990 through 30 June 1991. (Project 768560 - New)

\$40,000.00 - National Science Foundation, Washington, D.C., Simulations of Strongly Correlated Quantum Systems, Department of Physics (D. L. Cox), 1 September 1990 through 31 August 1992. (Project 768662 - New)

\$39,981.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Target Signature Modeling and Bistatic Scattering Measurement Studies, ElectroScience Laboratory, Department of Electrical Engineering (R. J. Marhefka and W. D. Burnside), 1 September 1990 through 31 August 1991. (Project 767063 - Continuation)

\$38,076.00 - Department of Energy, Idaho Falls, Idaho, University Reactor Instrumentation Program, Engineering Experiment Station (D. W. Miller), 7 September 1990 through 31 August 1991. (Project 768580 - New)

\$37,200.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Passivity and Breakdown of Oxide Films on Aluminum Alloys Produced Using Nonequilibrium Processing Methods, Department of Materials Science and Engineering (G. R. St. Pierre), 1 October 1990 through 31 December 1990. (Project 767297 - Continuation)

\$35,574.00 - National Science Foundation, Washington, D.C., Travel for U.S. Participation in the Sixth Antarctic Earth Sciences Symposium, Saitama, Japan, September 9-13, 1991, Byrd Polar Research Center and Department of Geology and Mineralogy (D. H. Elliot), 1 January 1991 through 31 December 1991. (Project 768704 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$35,415.00 - National Science Foundation, Washington, D.C., United States and Czechoslovak Research on Analysis and Verification of Solid-Liquid Flow, Department of Chemical Engineering (R. S. Brodkey), 15 July 1990 through 30 June 1993. (Project 768613 - New)

\$35,343.00 - Department of Health and Human Services, National Center for Research Resources, Bethesda, Maryland, Proper Utilization of Freund's Complete Adjuvant, Department of Veterinary Preventive Medicine (H. F. Stills), 30 September 1990 through 29 September 1991. (Project 768637 - New)

\$35,246.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Silver Spring, Maryland, Numerical Studies on the Onset of, and Controls on Fast Streaming Flow, Byrd Polar Research Center (K. C. Jezek and C. Van der Veen), 1 September 1990 through 31 August 1991. (Project 768657 - New)

\$35,000.00 - Department of Energy, Idaho Falls, Idaho, Nuclear Reactor Sharing Program, Engineering Experiment Station (R. D. Myser), 30 September 1990 through 29 September 1991. (Project 762411 - Continuation)

\$32,709.00 - Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland, Modification of Diet in Renal Disease (MDRD) Study, Department of Internal Medicine (L. A. Hebert), 1 December 1990 through 31 December 1990. (Project 766873 - Continuation)

\$30,000.00 - Department of the Navy, Office of Naval Research, Washington, D.C., LO Feed for Parabolic Dish, ElectroScience Laboratory, Department of Electrical Engineering (B. A. Munk and J. D. Young), 5 September 1990 through 4 September 1991. Project 768611 - New)

\$29,998.00 - Environmental Protection Agency, Washington, D.C., Wastewater Treatment Resource Hunt, Department of Educational Studies: Humanities, Science, Technological, and Vocational (R. W. Howe), 28 September 1990 through 27 September 1991. (Project 768671 - New)

\$28,000.00 - Department of Health and Human Services, National Institute of Neurological Disorders and Stroke, Bethesda, Maryland, Gastric Function: Medullary Control, Department of Physiology (R. C. Rogers), 28 September 1990 through 27 September 1991. (Project 767391 - Continuation)

\$25,070.00 - National Science Foundation, Washington, D.C., Workshop on Antarctic Global Positioning System Measurements, Byrd Polar Research Center and Department of Geology and Mineralogy (D. H. Elliot and I. M. Whillans), 15 October 1990 through 30 September 1991. (Project 768705 - New)

\$25,000.00 - Department of Transportation, Transportation System Center, Cambridge, Massachusetts, Vibration of Plates, Department of Engineering Mechanics (A. W. Leissa), 7 September 1990 through 7 September 1991. (Project 768660 - New)

\$25,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Cognitive Engineering in Aerospace Applications, Department of Industrial and Systems Engineering (D. D. Woods and P. J. Smith), 1 September 1990 through 31 March 1991. (Project 767386 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Federal Research Contracts/Grants (contd)**

\$24,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., International Symposium on Agricultural Ecology and Conservation Issues in Temperate and Tropical Regions, Department of Entomology - OARDC (B. R. Stinner), 20 September 1990 through 31 March 1992. (Project 768670 - New)

\$22,000.00 - National Aeronautics and Space Administration, Washington, D.C., High Temperature Superconducting Thin Film, Department of Electrical Engineering (G. J. Valco), 1 October 1990 through 30 September 1991. (Project 767084 - Continuation)

\$20,104.00 - Department of Energy, Morgantown Energy Technology Center, Morgantown, West Virginia, Application of Characteristic Time Concepts for Hydraulic Fracture Configuration Design, Control, and Optimization, Department of Engineering Mechanics (S. H. Advani), 10 August 1990 through 9 August 1991. (Project 768598 - New)

\$17,104.00 - Department of Health and Human Services, National Institute of General Medical Sciences, Bethesda, Maryland, Functional Domains of the HSV-1 65K DNA Binding Protein, Department of Microbiology and Immunology (D. S. Parris), 1 July 1990 through 30 June 1991. (Project 765482 - Continuation)

\$15,000.00 - Department of Agriculture, Science and Education, Beltsville, Maryland, Families with Financial Difficulties, Department of Family Resource Management (M. M. Sanik), 31 July 1990 through 30 September 1992. (Project 768644 - New)

\$9,224.00 - Environmental Protection Agency, Chicago, Illinois, Acid Deposition Monitoring Program for Western Lake Erie, Center for Lake Erie Area Research (J. M. Reutter), 1 July 1990 through 30 June 1991. (Project 767085 - Continuation)

\$9,000.00 - Office of Technology Assessment, Washington, D.C., Assessing Federal Grade Criteria for Fruits and Vegetables, Department of Agricultural Economics and Rural Sociology (T. L. Sporleder), 1 October 1990 through 29 March 1991. (Project 768683 - New)

\$7,106.00 - Department of Agriculture, Science and Education, Peoria, Illinois, Cooperative Agricultural Research, Office of the Director - OARDC (N. D. Schmidt and R. F. Edwards), 1 October 1989 through 30 September 1990. (Project 766472 - Continuation)

\$2,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Combined Meetings of 7th International Auchenorrhyncha Congress and 3rd International Workshop on Leafhoppers and Planthoppers of Economic Importance, Department of Entomology - OARDC (L. R. Nault), 1 August 1990 through 31 July 1991. (Project 768646 - New)

\$246.00 - Department of Health and Human Services, National Cancer Institute, Bethesda, Maryland, The Value of Glyco-lipids for Classifying Astrocytomas, Department of Pathology (A. J. Yates), 1 September 1990 through 31 August 1991. (Project 767769 - Continuation)

**TOTAL - FEDERAL AWARDS**

**\$10,452,011.00**

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**State of Ohio Research Contracts/Grants**

\$100,000.00 - State of Ohio, Department of Agriculture, Columbus, Ohio, Ohio Department of Agriculture and The Ohio State University Demonstration Farm, Department of Entomology - OARDC and Department of Entomology (C. A. Edwards) and Department of Entomology - OARDC (B. R. Stinner), 12 July 1990 through 30 June 1991. (Project 768548 - New)

\$58,800.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Internal Medicine (S. P. Balcerzak), 1 July 1990 through 30 June 1991. (Project 762760 - Continuation)

\$50,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Inventory and Assessment of Ohio Wetlands, Center for Mapping and School of Natural Resources (C. B. Davis), 22 August 1990 through 30 June 1991. (Project 768482 - New)

\$38,697.00 - State of Ohio, Board of Regents, Columbus, Ohio, Integrating Science and Technology Through Cooperative Learning Activities, Department of Educational Studies: Humanities, Science, Technological, and Vocational (K. Zuga and C. S. Carter), 1 October 1990 through 30 September 1991. (Project 768655 - New)

\$31,609.00 - State of Ohio, Board of Regents, Columbus, Ohio, Collaborative Inservice in Activity-Based Science, Newark Campus and Department of Educational Theory and Practice (D. Cantrell), 14 September 1990 through 31 December 1991. (Project 768653 - New)

\$23,963.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, The Mental Health Act of 1988: The Interpretation and Response of Community Mental Health Boards to Major System Change, Department of Psychology (R. S. Billings), 1 September 1990 through 30 June 1991. (Project 768669 - New)

\$20,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Extension Associate -- Upper Vermilion River Watershed, Ohio Cooperative Extension Service - Administration (D. E. Pritchard), 1 July 1990 through 30 June 1991. (Project 768642 - New)

\$9,200.00 - State of Ohio, Department of Commerce, Columbus, Ohio, Review Committee, Academic Faculty of Finance (R. L. Racster), 1 September 1990 through 31 December 1990. (Project 768666 - New)

\$3,000.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Master Parenting, Ohio Cooperative Extension Service - County Operations (R. J. Cropper), 3 October 1990 through 30 June 1991. (Project 768651 - New)

**TOTAL - STATE OF OHIO AWARDS**

**\$ 335,269.00**

**Industrial Research Contracts/Grants**

\$125,000.00 - Apple Computer, Inc., Cupertino, California, Apple Classroom of Tomorrow -- Longitudinal Research Center, Department of Educational Theory and Practice (R. J. Tierney), 1 September 1990 through 31 August 1991. (Project 767963 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$60,000.00 - Pioneer Hi-Bred International, Inc., Johnston, Iowa, Development of Viral Vectors for Gene Targeting in Plants, Biotechnology Program and Department of Molecular Genetics (D. M. Bisaro) and Biotechnology Program and Department of Plant Biology (K. R. Davis), 1 October 1990 through 30 September 1992. (Project 768702 - New)

\$43,827.00 - Dad's Products Company, Inc., Meadville, Pennsylvania, Nutrition Study -- Chronic, Department of Veterinary Clinical Sciences (C. A. Buffington), 1 May 1989 through 31 August 1991. (Project 767975 - Continuation)

\$42,017.52 - Abbott Laboratories, Abbott Park, Illinois, Safety and Efficacy of Depakote<sup>®</sup> Monotherapy in the Treatment of Complex Partial Seizures: A Plasma Concentration-Response Study, Department of Neurology (A. Pakainis), 1 June 1990 through 31 December 1991. (Project 768606 - New)

\$38,801.00 - Stride Rite Corporation, Cambridge, Massachusetts, Evaluation of the Pressure Distribution During the Stance Phase of Walking for Children Between the Ages 1-7, Department of Surgery (S. R. Simon), 1 May 1990 through 31 August 1991. (Project 768245 - Continuation)

\$34,100.00 - Sandia Corporation, Albuquerque, New Mexico, Vertical-Axis Wind Blade Section Activities, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 28 September 1990 through 27 September 1991. (Project 768659 - Continuation)

\$27,196.80 - Columbia Research Laboratories, New York, New York, Double-Blind Evaluation of a Vaginal Bioadhesive Gel (REPLENS<sup>®</sup>) in Postmenopausal Women: Effect on pH and Colonization with Enteric Gram Negative Bacteria and Enterococci, Department of Internal Medicine (C. M. Kunin), 15 May 1990 through 14 May 1991. (Project 768256 - Continuation)

\$18,542.00 - Ross Laboratories, Columbus, Ohio, Treatment Studies in Germfree Piglets for Campylobacter pylori Infection, Department of Veterinary Pathobiology (G. S. Krakowka), 1 September 1990 through 1 February 1991. (Project 767916 - Continuation)

\$16,200.00 - Brigham and Women's Hospital, Boston, Massachusetts, The Comprehensive Management of Unstable Angina and Non-Q-Wave Myocardial Infarction: The Roles of t-PA and Revascularization, Department of Internal Medicine (R. D. Magorien), 1 August 1990 through 31 July 1991. (Project 768603 - New)

\$14,321.00 - Hoffman-La Roche, Inc., Nutley, New Jersey, Effect of Etrexinate on Clinical Signs and Cutaneous Cell Proliferation Kinetics of Cocker Spaniels with Primary Idiopathic Seborrhea, Department of Veterinary Clinical Sciences (K. W. Kwochka), 1 September 1990 through 31 August 1991. (Project 768700 - New)

\$13,000.00 - Beecham Laboratories, Bristol, Tennessee, A Randomized, Double-Blind, Multicenter Study Comparing Myocardial Function, Patency, and Safety of Intravenous EMINASE (anistreplase; APSAC; BRL 26921) Versus Intravenous Alteplase (t-PA) in Patients with an Acute Myocardial Infarction, Department of Internal Medicine (R. D. Magorien), 23 August 1989 through 22 August 1990. (Project 767764 - Continuation)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Industrial Research Contracts/Grants (contd)**

\$12,500.00 - Glaxo, Inc., Research Triangle Park, North Carolina, Treatment of Postoperative Nausea and Vomiting: A Randomized Double-Blind, Dose-Range Study of Intravenous Ondansetron in Patients Undergoing Surgical Procedures, Department of Anesthesiology (J. S. McDonald), 1 October 1990 through 1 March 1991. (Project 768680 - New)

\$4,479.00 - Applied R & D, Olmsted Falls, Ohio, Vertical Multi-Junction Photovoltaic Cell, Department of Electrical Engineering (G. J. Valco), 1 October 1990 through 31 December 1990. (Project 767802 - Continuation)

\$3,970.00 - SoilOrganics, Worthington, Ohio, Evaluation of Leaf Disposal on Soils Used for Corn Production, Department of Agronomy - OARDC and Department of Agronomy (J. W. Johnson) and Department of Dairy Science - OARDC and Department of Dairy Science (D. L. Zartman), 7 September 1990 through 1 December 1992. (Project 768620 - New)

Travel - International Business Machines Corporation, San Jose, California, Garnet Thin Films for Magneto-Optic Recording Media, Department of Physics (P. E. Wigen), 1 December 1990 through 30 November 1991. (Project 767208 - Continuation) (Approximate Dollar Value - \$7,000)

**TOTAL - INDUSTRIAL AWARDS**

**\$ 453,954.32**

**Other Non-Federal Research Contracts/Grants**

\$177,779.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Project Excel: Excellence in Community Elected Leadership, Ohio Cooperative Extension Service - Administration (D. Boothe and J. D. Rohrer), 1 September 1990 through 31 August 1991. (Project 768664 - New)

\$92,344.00 - University of Nebraska, Lincoln, Nebraska, Economic, Ecological, and Environmental Analyses of Farms Under Long-Term Lower Chemical Input Management, Department of Entomology - OARDC (B. R. Stinner and J. M. Blair) and Department of Entomology (C. A. Edwards), 1 September 1990 through 1 September 1992. (Project 768676 - New)

\$58,075.00 - Ohio Aerospace Institute, Brook Park, Ohio, Ohio Aerospace Institute, Department of Mechanical Engineering (L. A. Kennedy), 1 October 1990 through 30 September 1991. (Project 768625 - New)

\$50,000.00 - Cystic Fibrosis Foundation, Bethesda, Maryland, Identification of the Adhesins of Pseudomonas aeruginosa, Department of Microbiology (N. R. Baker and A. Darzins), 1 October 1990 through 30 September 1991. (Project 768674 - New)

\$46,458.00 - Marion City Schools System, Marion, Ohio, Reading Recovery Program -- 1990-1991, Department of Educational Theory and Practice (G. S. Pinnell, D. DeFord, and C. Lyons), 1 October 1990 through 30 September 1991. (Project 768673 - New)

\$45,536.00 - University of New Hampshire, Durham, New Hampshire, The Effect of Fracture Surface Interference on Shear Crack Growth, Department of Engineering Mechanics (D. A. Mendelsohn), 1 September 1990 through 30 April 1992. (Project 768640 - New)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$45,428.00 - Puerto Rico Department of Education, Hato Ray, Puerto Rico, Puerto Rico/OSU Vocational Education Graduate Program Linkage, Department of Agricultural Education (J. M. Cano), 1 September 1990 through 30 August 1991. (Project 768679 - New)

\$40,000.00 - Howland Local School District, Warren, Ohio, Reading Recovery Program -- 1990-1991, Department of Educational Theory and Practice (G. S. Pinnell, D. DeFord, and C. Lyons), 1 October 1990 through 30 September 1991. (Project 768672 - New)

\$40,000.00 - University of California, Livermore, California, Laser-Generated Ultrasonics for Material Characterization, Department of Welding Engineering (L. Adler), 1 October 1990 through 20 December 1990. (Project 768197 - Continuation)

\$39,496.00 - Helen Keller National Center for Deaf-Blind Youth and Adults, Sands Point, New York, Technical Assistance to Helen Keller Center, Education Administration and School of Health, Physical Education, and Recreation (K. D. Arnold), 1 October 1990 through 30 September 1991. (Project 767867 - Continuation)

\$25,878.00 - Children's Hospital Research Foundation, Columbus, Ohio, Comparative Immunogenicity of Three Conjugated PRP Vaccines Given at Two, Four, and Six Months of Age, Department of Pediatrics and Department of Family Medicine (L. K. Grossman), 1 September 1990 through 31 August 1991. (Project 768634 - New)

\$24,250.00 - Milbank Memorial Fund, New York, New York, Households and Health Services Under the Medicaid Program, Division of Hospital and Health Services Administration (S. Tanenbaum), 1 July 1990 through 30 June 1991. (Project 768681 - New)

\$23,500.00 - University of Illinois, Champaign, Illinois, Water Flow and Herbicide Transport Through Soil Macropores, Department of Agronomy - OARDC (E. L. McCoy), 1 July 1990 through 30 June 1991. (Project 768691 - New)

\$23,142.00 - Children's Hospital Research Foundation, Columbus, Ohio, Epidemiology of Acute Nonlymphoblastic Leukemia in Children, Department of Preventive Medicine (J. R. Wilkins, III), 1 May 1990 through 30 April 1991. (Project 767521 - Continuation)

\$22,829.00 - University of Washington, Seattle, Washington, Airborne Radar Survey of McMurdo Dome, Antarctica, Byrd Polar Research Center (K. C. Jezek and D. Blankenship), 1 August 1990 through 31 October 1991. (Project 768647 - New)

\$22,655.00 - University of Georgia, Athens, Georgia, Effects of Resource Quality and Microarthropods on Forest Floor Nitrogen Dynamics, Department of Entomology - OARDC and Department of Entomology (C. A. Edwards) and Department of Entomology (J. M. Blair), 1 September 1990 through 31 August 1991. (Project 767826 - Continuation)

\$20,000.00 - Illinois State Board of Education, Springfield, Illinois, Overcoming Barriers to Entrepreneurship, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768360 - Continuation)



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

**Other Non-Federal Research Contracts/Grants (contd)**

\$20,000.00 - Sandoz Foundation for Gerontological Research, East Hanover, New Jersey, A Novel Psychopharmacological Approach for the Treatment of Age-Related Impairments in Cognitive Abilities: Benzodiazepine Receptor Antagonists/Partial Inverse Agonists, Department of Psychology (M. Sarter), 1 September 1990 through 31 August 1991. (Project 768693 - New)

\$20,000.00 - Ten Members of the National Alliance of Community and Technical Colleges, National Alliance of Community and Technical Colleges, Center on Education and Training for Employment (R. D. Ryan), 1 July 1990 through 30 June 1991. (Project 768414 - Continuation)

\$18,484.00 - Children's Hospital Research Foundation, Columbus, Ohio, Evaluation of Safety of an Acellular Pertussis Vaccine Combined with Diphtheria and Tetanus Toxoid in Children 15 to 20 Months of Age, Department of Pediatrics and Department of Family Medicine (L. K. Grossman), 1 September 1990 through 30 June 1991. (Project 768633 - New)

\$16,895.00 - Ohio Corn Marketing Program Board, Marion, Ohio, Increasing the Demand for Corn Gluten Meal for Starter Pigs, Department of Animal Science - OARDC and Department of Animal Science (D. C. Mahan), 1 October 1990 through 30 June 1991. (Project 768690 - New)

\$15,000.00 - University of Cincinnati, Cincinnati, Ohio, Effects of Rapid Serum Creatin Phosphokinase-MB Analysis on Clinical Decision-Making in the Emergency Department Evaluation of Chest Pain, Department of Emergency Medicine (J. W. Hoekstra), 1 July 1990 through 30 June 1991. (Project 768635 - New)

\$13,261.00 - Hamilton Local School District, Columbus, Ohio, Internship Program: Hamilton Local School District, 1990-1991, Department of Educational Services and Research (T. E. Heron), 1 October 1990 through 31 July 1991. (Project 768668 - New)

\$11,536.00 - Children's Hospital Research Foundation, Columbus, Ohio, Evaluation of Flunarizine as a Treatment for Patients with Partial Seizures, Department of Neurology (M. E. Drake, Jr.), 1 October 1990 through 30 November 1990. (Project 766579 - Continuation)

\$10,200.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, United States Air Force Graduate Fellowship, Department of Electrical Engineering (R. Moses and W. M. Steedly), 1 September 1990 through 31 August 1991. (Project 768569 - Continuation)

\$10,000.00 - American Diabetes Association, Ohio Affiliate, Inc., Worthington, Ohio, Risk Factors for Diabetic Nephropathy, Department of Veterinary Pathobiology (M. J. Radin), 1 September 1990 through 31 August 1991. (Project 768675 - New)

\$10,000.00 - National Institute for Dispute Resolution, Washington, D.C., Negotiation Video, Business Administration (R. J. Lewicki), 17 July 1989 through 31 May 1991. (Project 768692 - New)

\$7,200.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, United States Air Force Graduate Fellowship, Department of Electrical Engineering (S. Yurkovich and J. M. Watkins), 1 September 1990 through 31 August 1991. (Project 768562 - Continuation)

December 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

#### **Other Non-Federal Research Contracts/Grants (contd)**

\$6,400.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, NSABP Colo-Rectal Protocols, Department of Surgery (W. B. Farrar), 1 February 1990 through 31 January 1991. (Project 768654 - Continuation)

\$5,500.00 - Columbus Zoo, Powell, Ohio, Cooperative Grants Program -- The Columbus Zoo and The Ohio State University, Department of Molecular Genetics and Department of Zoology (P. A. Fuerst), 1 July 1990 through 30 June 1991. (Project 768502 - Continuation)

\$5,000.00 - Columbus Zoo, Powell, Ohio, Cooperative Grants Program -- The Columbus Zoo and The Ohio State University, Department of Zoology (J. D. Harder), 1 July 1990 through 30 June 1991. (Project 768502 - Continuation)

\$4,350.00 - Columbus Zoo, Powell, Ohio, Cooperative Grants Program -- The Columbus Zoo and The Ohio State University, Department of Zoology (J. F. Downhower), 1 July 1990 through 30 June 1991. (Project 768502 - Continuation)

\$4,000.00 - Boston University, Boston, Massachusetts, Principles for Machine/Human Compatibility in Manufacturing Systems, Department of Industrial and Systems Engineering (A. B. Bishop), 1 October 1990 through 31 December 1990. (Project 766000 - Continuation)

\$4,000.00 - Columbus Zoo, Powell, Ohio, Cooperative Grants Program -- The Columbus Zoo and The Ohio State University, Department of Veterinary Clinical Sciences (C. A. Buffington), 1 July 1990 through 30 June 1991. (Project 768502 - Continuation)

\$3,754.00 - University of Rochester, Rochester, New York, Smooth Muscle Model System for the Induction of Oxygen Regulated Proteins During Ischemia, Department of Cellular Biology, Neurobiology, and Anatomy (A. R. Strauch), 1 September 1990 through 30 June 1991. (Project 767736 - Continuation)

\$2,690.00 - American Nurses' Foundation, Inc., Washington, D.C., Pressure Sore Prevention in the Spinal Cord-Injured, School of Health, Physical Education, and Recreation (D. Zakrajsek), 1 October 1990 through 30 September 1991. (Project 768688 - New)

\$2,687.00 - American Nurses' Foundation, Inc., Washington, D.C., A Coping Program for Schoolagers with Maladaptive Coping, Department of Life Span Process (N. M. Ryan-Wenger), 1 October 1990 through 30 September 1991. (Project 768689 - New)

**TOTAL - OTHER NON-FEDERAL AWARDS**

**\$ 988,327.00**

### **ENGINEERING EXPERIMENT STATION**

#### **State Sponsored Research and Development**

\$262,696.00 - from Ohio Department of Development/Ohio Steel Futures, Columbus, Ohio for "Post Combustion in Basic Oxygen Steelmaking Furnaces," under the direction of the department of Materials Science and Engineering for the period July 1, 1990 through March 1, 1992. (529864)

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**ENGINEERING EXPERIMENT STATION (contd)**

**State Sponsored Research and Development (contd)**

\$52,000.00 - from Ohio Department of Transportation, Columbus, Ohio, for "Economical Evaluation of Calcium Magnesium Acetate (CMA) Production for Road De-icing," under the direction of the department of Chemical Engineering for the period October 1, 1990 through September 30, 1991. (529861)

\$5,300.00 - additional budget from Thomas A. Edison Program, Columbus, Ohio and Ribtec, Columbus, Ohio for "Collable Ultrahard Hardfacing Welding Consumables," under the direction of the department of Welding Engineering for the period October 1, 1988 through November 30, 1990. (312491, Ext. 2)

**TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT** **\$ 319,996.00**

**Industry and Other Sponsored Research and Development**

\$104,900.00 - from General Motors Gear Center, Romulus, Michigan, for "Probabilistic Dynamic Modeling of Multi-Mesh Gear Systems," under the direction of the department of Mechanical Engineering for the period October 18, 1990 through December 31, 1992. (312554)

\$48,000.00 - from Battelle Memorial Institute, Columbus, Ohio, for "Heat Exchanger Aspects of a Gas Fired Cooling Only Heat Pump," under the direction of the department of Mechanical Engineering for the period August 1, 1987 through December 31, 1990. (312439, Ext. 4)

\$40,104.00 - from Teledyne Monarch Rubber, Hartville, Ohio, for "Design of Adaptive Hydromounts," under the direction of the department of Mechanical Engineering for the period July 1, 1989 through June 30, 1991. (529808, Ext. 2)

\$37,530.00 - from Teledyne Monarch Rubber, Hartville, Ohio, for "Computer Modeling of Hydromounts," under the direction of the department of Mechanical Engineering for the period July 1, 1989 through June 30, 1991. (529809, Ext. 2)

\$29,943.00 - from General Dynamics, Fort Worth, Texas, for "Development of Noise Radar," under the direction of the department of Electrical Engineering for the period August 1, 1990 through December 31, 1990. (312553)

\$25,000.00 - from Edward Orton Jr. Ceramic Foundation, Westerville, Ohio, for "Solid-State Gas Sensor," under the direction of the department of Materials Science & Engineering for the period October 1, 1990 through June 30, 1991. (312552)

\$25,000.00 - from various industry for membership in the Chameleon Software Consortium under the direction of the department of Computer & Information Science. (529866)

\$25,000.00 - from various industry for membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station (529200)

\$20,000.00 - from various industry for membership in the Compact Radar Cross Section Measurement Range Research and Development Consortium under the direction of the department of Electrical Engineering. (312884)

December 6, 1990 meeting, Board of Trustees

## REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)

### ENGINEERING EXPERIMENT STATION (contd)

#### Industry and Other Sponsored Research and Development (contd)

\$19,748.00 - from General Electric, Cincinnati, Ohio, for "Advanced Titanium Weldability," under the direction of the department of Welding Engineering for the period April 1, 1989 through December 10, 1990. (529802, Ext. 2)

\$15,000.00 - from various industry for support of a fellowship in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529202)

\$14,000.00 - from the American Society of Mechanical Engineers, New York, New York, for "Editing Services - Journal of Mechanisms, Transmission & Automation in Design," under the direction of the department of Mechanical Engineering for the period December 1, 1987 through June 30, 1990. (312441, Ext. 2)

\$14,000.00 - from the American Society of Mechanical Engineers, New York, New York, for "Editing Services - Journal of Mechanisms, Transmission & Automation in Design," under the direction of the department of Mechanical Engineering for the period July 1, 1990 through June 30, 1991. (529865)

\$12,050.00 - additional budget from McDonnell Douglas Corporation, St. Louis, Missouri, for "Ultrasonic Welding of Peek/Graphic Composites with Utem Polyetherimide Film on Surface," under the direction of the department of Welding Engineering for the period December 15, 1989 through December 31, 1990. (529830, Ext. 2)

\$11,245.00 - from eight sponsors of 11 development projects in three departments/research areas of the College.

\$10,000.00 - from various industry for associate membership in the Engineering Research Center for Net Shape Manufacturing under the direction of the Engineering Experiment Station. (529200)

\$7,770.00 - from Embassy of Arab Republic of Egypt, Washington, DC, for "Peace Fellow - Medhat Sowelem #3775," under the direction of the department of Civil Engineering for the period September 1, 1990 through June 30, 1990. (312555)

\$7,200.00 - from General Electric, Cincinnati, Ohio, for "Model Test Cell Testing of Existing TAP Portugal Model with Variations," under the direction of the department of Aeronautical and Astronautical Engineering for the period September 1, 1990 through December 31, 1990. (312551)

\$7,000.00 - from various industry for membership in the Gear Research Laboratory under the direction of the department of Mechanical Engineering. (529735)

\$4,200.00 - from General Electric, Cincinnati, Ohio, for "Refurbish Old Belmouth," under the direction of the department of Aeronautical and Astronautical Engineering for the period December 1, 1986 through December 31, 1990. (312895, Ext. 6)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 477,690.00

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND**

#### **Establishment of Named Funds**

##### **The John H. and Mildred C. Lumley Medical Research Endowment Fund**

The John H. and Mildred C. Lumley Medical Research Endowment Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estates of John H. Lumley (B.Cer.E. '27) and Mildred C. Lumley (B.S. Soc. Admin. '24) of Belleair, Florida.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used for medical research through the facilities of the College of Medicine with a preference, in sequential order, for research of diseases of the heart, cancer and arthritis. In the event a professorship or chair in these areas becomes necessary, this fund may be used to establish a professorship or chair in the name of John H. and Mildred C. Lumley.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### **The John H. and Mildred C. Lumley Engineering Endowment Fund**

The John H. and Mildred C. Lumley Engineering Endowment Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estates of John H. Lumley (B.Cer.E. '27) and Mildred C. Lumley (B.S. Soc. Admin. '24) of Belleair, Florida.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The primary objective of The John H. and Mildred C. Lumley Engineering Endowment Fund will be to promote and enhance engineering research within the College of Engineering. To this end, the annual income may be used selectively to support faculty research, undergraduate scholarships, graduate fellowships, and other research-related programs. Student recipients will be named annually, but may be eligible to compete for renewed awards. The use of all income will be left to the discretion of the Dean of the College of Engineering and when awarding undergraduate scholarships, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Webster Robinson and Frank and Catherine Carrier  
Cancer Research Endowment Fund**

The Webster Robinson and Frank and Catherine Carrier Cancer Research Endowment Fund for The Arthur G. James Cancer Hospital and Research Institute was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estate of Helen Robinson.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used in full primarily to support cancer research in The Arthur G. James Cancer Hospital and Research Institute as approved by the Director of the Cancer Research Institute and the Vice President for Health Services.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the Director of The Arthur G. James Cancer Hospital and Research Institute and the Vice President for Health Services in order to carry out the desire of the donor.

**The Dr. William D. Cunningham and Anna R. Cunningham Fund**

The Dr. William D. Cunningham and Anna R. Cunningham Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with a gift to The Ohio State University Development Fund from the estate of Dr. William D. and Anna R. Cunningham.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used as the Board of Trustees of The Ohio State University shall deem expedient for the study of the treatment and/or the cure of diabetes.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

**The Marion Spurrier Yengling Medical Research Fellowship**

The Marion Spurrier Yengling Medical Research Fellowship was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estate of Marion Spurrier Yengling (B.S.Ed. '27) in memory of Edward W. Barrett (J.D. '27).

December 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Marion Spurrier Yengling Medical Research Fellowship (contd)**

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used exclusively for medical research by a Fellow in Hematology and Oncology. Leukemia research is to be the first consideration, as long as necessary. Should the need for this research cease to exist, then the income may be used for any research dealing with the diseases of the blood.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Jerome Lawrence and Robert E. Lee Theatre Research Institute Endowment Fund**

The Jerome Lawrence and Robert E. Lee Theatre Research Institute Endowment Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Jerome Lawrence (B.A. '37), Robert E. Lee, and friends and supporters of the Institute.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide support for (a) the position of curator, (b) acquisition and preservation of the collection, and (c) the operation and administration of The Jerome Lawrence and Robert E. Lee Theatre Research Institute.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### **The Dr. Leslie Kasdorf Cramer Endowed Memorial Scholarship Fund**

The Dr. Leslie Kasdorf Cramer Endowed Memorial Scholarship Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Mr. and Mrs. Donald L. Kasdorf of Venice, Florida.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

December 6, 1990 meeting, Board of Trustees

## **REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

### **THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

#### **Establishment of Named Funds (contd)**

##### **The Dr. Leslie Kasdorf Cramer Endowed Memorial Scholarship Fund (contd)**

The annual income shall be used to provide one or more scholarship awards to third and fourth year students enrolled in The Ohio State University College of Veterinary Medicine pursuing a degree of Doctor of Veterinary Medicine. The selection of the scholarship recipient(s) shall be made by the Dean of the College of Veterinary Medicine in consultation with the University Committee on Student Financial Aid and in conjunction with the donors or the surviving donor or their representative. All scholarship awards shall be based on financial need. The amount of the scholarship award shall be at the discretion of the Dean of the College of Veterinary Medicine and may be used to offset any educational expense incurred by the student while enrolled in the College of Veterinary Medicine.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

##### **The John H. and Ruth W. Melvin Endowment Fund**

The John H. and Ruth W. Melvin Endowment Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with a gift to The Ohio State University Development Fund from John L. Melvin, M.D., in memory of his parents, John and Ruth Melvin.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support programs of education and research with the Department of Physical Medicine as designated by the chairperson of the department.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

##### **The Clara and Cal Prine Classical Music Broadcast Fund**

The Clara and Cal Prine Classical Music Broadcast Fund was established December 6, 1990, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Clara and Cal Prine of Granville, Ohio.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.



**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Establishment of Named Funds (contd)**

**The Clara and Cal Prine Classical Music Broadcast Fund (contd)**

The annual income shall be used at the discretion of the station manager of WOSU-FM for support of classical music broadcasting at The Ohio State University.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

**Change in Name and Description of Named Fund**

**The Medicine Class of 1941 Fund**

The Medicine Class of 1941 was established February 1, 1980, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Class of 1941 College of Medicine Alumni. The name and description were revised December 6, 1990.

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

Each academic year the annual income shall be available to support or help to support a single project in the College of Medicine, such as a research program, scholarships for students or trainees, or medical education innovations, as selected by and/or approved by the Dean of the College of Medicine. This support shall be made in the name of the Class of 1941 College of Medicine Alumni. Income not used in a given year as provided for the above shall be added to the principal of The Medicine Class of 1941 Fund.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the Dean of the College of Medicine in order to carry out the desire of the donors.

**Change in Description of Named Fund**

**The Wright Memorial Steel Castings Educational Fund**

The Wright Memorial Steel Castings Educational Fund was established April 11, 1968, by the Board of Trustees of The Ohio State University, with a gift to The Ohio State University Development Fund from George T. Wright (B.I.E. '32) in memory of his father and mother, Frank G. and Christine M. Wright, his brother, Walter F. Wright, and his wife, Janet Hardin Wright. The description was revised December 6, 1990.

December 6, 1990 meeting, Board of Trustees

**REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (contd)**

**THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)**

**Change in Description of Named Fund (contd)**

**The Wright Memorial Steel Castings Educational Fund (contd)**

All gifts are to be invested in the University's permanent endowment fund, under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used by the Department of Industrial and Systems Engineering to support research, teaching and faculty development in the areas of metal castings. The annual income may also be used to support an undergraduate or graduate student in the conduct of an industrial engineering of systems analysis or a problem relevant to the casting of metals or composites, including travel to industrial sites or professional meetings.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

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**REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-69

**OHIO STADIUM BLEACHER ADDITION**

Synopsis: The Fiscal Affairs Committee recommended authorization to request construction bids for the Ohio Stadium Bleacher Addition project.

WHEREAS the Department of Athletics desires to increase the portable seating in the south end of the Ohio Stadium from 7,800 to 13,500; and

WHEREAS Phase I of this project will provide for a five-year lease of additional bleachers, and Phase II of this project will provide all site work associated with bleacher installation, including additional paving, water and sewer connections, fencing and gates, and electrical service; and

WHEREAS the total estimated Phase I cost of this project is \$683,100.00 for the first year and \$550,000.00 per year for years two through five of the lease period, and the total estimated Phase II cost of this project is \$180,000.00, with the estimated Phase II construction cost being \$150,000.00, with funding for the project provided by the Department of Athletics:

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to award contracts, with all actions to be reported to this Board at the appropriate time.

December 6, 1990 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS (contd)**

**OHIO STADIUM BLEACHER ADDITION (contd)**

Upon motion of Mr. Teaford, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XXXIX for background material, page 697.)

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 91-70

**ALUMNI HOUSE ADDITION - FAWCETT CENTER;  
MEDICAL LOGISTICAL SERVICES FACILITY EXPANSION; AND  
WISEMAN HALL - MEDICAL RESEARCH FACILITY**

Synopsis: The Fiscal Affairs Committee recommended authorization to employ architects/engineers and request construction bids for the Alumni House Addition - Fawcett Center, the Medical Logistical Services Facility Expansion, and the Wiseman Hall - Medical Research Facility projects.

WHEREAS The Ohio State University Alumni Association, currently housed in the east wing of the Fawcett Center for Tomorrow, requires additional space to meet foreseeable future needs; and

WHEREAS the first portion of this project will provide a study of the space needs and preparation of promotional materials for gift solicitation; and

WHEREAS the subsequent portion of the project will provide for design and construction of an addition to the building to meet the space needs defined by the study, with the building addition to be owned by the University but occupied by the Association under a long-term lease; and

WHEREAS the total estimated cost of this project is \$3,800,000.00, with the estimated construction cost being \$2,700,000.00, with actual costs to be ascertained following the study and with funds for the study and promotional materials provided from Alumni Association funds and funds for design and construction provided from gifts raised by the Association; and

WHEREAS the Medical Logistical Services Facility Expansion will provide expanded space for the Surgical Intensive Care Unit and associated support space as an addition to the existing Medical Logistics Facility and Doan Hall; and

WHEREAS the total estimated project cost is \$10,017,600.00, with the estimated construction cost being \$7,900,000.00, with funding provided from University Hospitals; and

WHEREAS the College of Medicine requires additional research facilities, particularly for the Clinical Departments; and

WHEREAS Wiseman Hall can accommodate additional contiguous space to meet these needs; and

December 6, 1990 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND  
REQUEST FOR CONSTRUCTION BIDS (contd)**

**ALUMNI HOUSE ADDITION - FAWCETT CENTER;  
MEDICAL LOGISTICAL SERVICES FACILITY EXPANSION; AND  
WISEMAN HALL - MEDICAL RESEARCH FACILITY (contd)**

WHEREAS funds in the amount of \$6,000,000.00 will be provided for the first phase of construction from contributions pledged by the Central Practice Groups of the Clinical Departments:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for these projects and that the fees for these services be negotiated between the firms selected and the University; and

BE IT FURTHER RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to award contracts, with all actions to be reported to this Board at the appropriate time.

Mr. Teaford:

Since we have the biggest and the best Alumni Association and it needs more space, I will entertain a motion.

Upon motion of Mr. Teaford, seconded by Mr. Shumate, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XL for background material, page 699.)

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS**

Resolution No. 91-71

**UTILITY MASTER PLAN**

Synopsis: The Fiscal Affairs Committee recommended authorization to employ architects/engineers for the Utility Master Plan project.

WHEREAS this project will employ an architectural/engineering firm to evaluate all campus utility systems and propose an orderly, cost effective capital plan to ensure availability of appropriate utility services to the campus for the next twenty years; and

WHEREAS the total estimated cost of the master plan is \$450,000.00, with funding provided from the Department of Physical Facilities:

NOW THEREFORE

December 6, 1990 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS (contd)**

**UTILITY MASTER PLAN (contd)**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized to select qualified architectural/engineering firms as necessary for this project and that the fees for these services be negotiated between the firms selected and the University.

Upon motion of Mr. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XLI for background material, page 701.)

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**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 91-72

**CAMPUS ENERGY CONTROLS (HVAC SYSTEMS);  
CHILLER REPLACEMENTS (CIVIL AND AERONAUTICAL  
ENGINEERING BUILDING);  
OARDC SUPPORT FACILITIES - BARN REPLACEMENT;  
OARDC - FISHER AUDITORIUM ROOF AND  
OARDC PHYSICAL PLANT BUILDING ROOF; AND  
WINDOW REPLACEMENTS (ROBINSON LABORATORY AND COCKINS HALL)**

Synopsis: The Fiscal Affairs Committee recommended the Report of Award of Contracts and the Establishment of Contingency Funds for the Campus Energy Controls (HVAC Systems), Chiller Replacements (Civil and Aeronautical Engineering Building), OARDC Support Facilities - Barn Replacement, OARDC - Fisher Auditorium Roof and OARDC - Physical Plant Building Roof, and Window Replacements (Robinson Laboratory and Cockins Hall) projects.

WHEREAS a resolution adopted by the Board of Trustees on July 11, 1986, authorized the President and/or Vice President for Business and Administration to request construction bids in accordance with established University procedures, and if satisfactory bids were received, to award contracts for the following project: OARDC Support Facilities - Barn Replacement; and

WHEREAS resolutions adopted by the Board of Trustees on May 4, 1989, authorized the President and/or Vice President for Business and Administration to request construction bids in accordance with established State of Ohio and University procedures, and if satisfactory bids were received, to recommend the award of contracts for the following projects: Campus Energy Controls (HVAC Systems), Chiller Replacements (Civil and Aeronautical Engineering Building), and Window Replacements (Robinson Laboratory and Cockins Hall); and

WHEREAS a resolution adopted by the Board of Trustees on September 7, 1990, authorized the President and/or Acting Vice President for Business and Administration to request construction bids in accordance with State of Ohio and University procedures, and if satisfactory bids were received, to recommend the award of contracts for the following project: OARDC - Fisher Auditorium Roof and OARDC - Physical Plant Building Roof:

NOW THEREFORE

**REPORT OF AWARD OF CONTRACTS AND  
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**CAMPUS ENERGY CONTROLS (HVAC SYSTEMS);  
CHILLER REPLACEMENTS (CIVIL AND AERONAUTICAL  
ENGINEERING BUILDING);  
OARDC SUPPORT FACILITIES - BARN REPLACEMENT;  
OARDC - FISHER AUDITORIUM ROOF AND  
OARDC PHYSICAL PLANT BUILDING ROOF; AND  
WINDOW REPLACEMENTS (ROBINSON LABORATORY AND COCKINS HALL) (contd)**

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board and upon the recommendation of the Fiscal Affairs Committee, the Report of Award of Contracts and Establishment of Contingency Funds for the Campus Energy Controls (HVAC Systems), Chiller Replacements (Civil and Aeronautical Engineering Building), OARDC Support Facilities - Barn Replacement, OARDC - Fisher Auditorium Roof and OARDC - Physical Plant Building Roof, and Window Replacements (Robinson Laboratory and Cockins Hall) projects is hereby approved.

Upon motion of Mr. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XLII for background material and tabulation of bids, page 703.)

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**SALE OF REAL PROPERTY**

Resolution No. 91-73

**67.26 ACRES IN GALLIA COUNTY, OHIO**

Synopsis: The Fiscal Affairs Committee recommended the sale of approximately 67.26 acres of unimproved real property located in Morgan Township in Gallia County, Ohio.

WHEREAS in December 1986, the Board of Trustees acquired by gift from Vaughn and Frieda Siegenthaler approximately 67.26 acres of unimproved real property located in Morgan Township of Gallia County, Ohio; and

WHEREAS under the terms of this gift, the property is to be sold, with the net proceeds used to support the College of Agriculture; and

WHEREAS the appraised value of this property is \$17,000.00, and Allen C. Wood has offered to purchase the property for this amount; and

WHEREAS the appropriate University offices have determined that this sale of the property is in the best interest of the University and it is the desire of this Board to accept the offer of Allen C. Wood and to sell all the Board's right, title, and interest in this property:

NOW THEREFORE

**SALE OF REAL PROPERTY (contd)**

**67.26 ACRES IN GALLIA COUNTY, OHIO (contd)**

BE IT RESOLVED, that the president and/or Acting Vice President for Business and Administration be authorized, in the name of the Board of Trustees of The Ohio State University, to sell all the University's right, title, and interest in this property to Allen C. Wood, at a price of \$17,000.00 upon such terms and conditions as are deemed to be in the best interest of the University.

Upon motion of Mr. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XLIII for background material and map, page 715.)

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**SALE OF REAL PROPERTY**

Resolution No. 91-74

**92.6 ACRES ON HARRISBURG PIKE  
COLUMBUS, OHIO**

Synopsis: The Fiscal Affairs Committee recommended the sale of approximately 92.6 acres of unimproved real property located on Harrisburg Pike in Columbus, Ohio.

WHEREAS in December 1986, the Board of Trustees of The Ohio State University acquired by gift from Mr. Leonard J. Immke, Jr., approximately 92.6 acres of unimproved real property located on the east side of Harrisburg Pike near the intersection of Briggs Road in Columbus, Ohio; and

WHEREAS under the terms of this gift, the property is to be sold, and this gift is being used to support the Leonard J. Immke, Jr., and Charlotte L. Immke Chair in Cancer Research to support the work of a distinguished researcher in The Arthur G. James Cancer Hospital and Research Institute; and

WHEREAS the appraised value of this property is \$278,000.00 and Foxboro Communities, Inc., has offered to purchase the property for \$300,000.00; and

WHEREAS the appropriate University officials have determined that this sale of the property is in the best interest of the University and it is the desire of this Board to accept the offer of Foxboro Communities and to sell all of the Board's right, title, and interest in and to this property:

**NOW THEREFORE**

BE IT RESOLVED, That the President and/or Acting Vice President for Business and Administration be authorized, in the name of the Board of Trustees of The Ohio State University, to sell all of the University's right, title, and interest in this property to Foxboro Communities, Inc., at a price of \$300,000.00 upon such terms and conditions as are deemed to be in the best interest of the University.

December 6, 1990 meeting, Board of Trustees

**SALE OF REAL PROPERTY (contd)**

**92.6 ACRES ON HARRISBURG PIKE  
COLUMBUS, OHIO (contd)**

Upon motion of Mr. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

(See Appendix XLIV for background material and map, page 719.)

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**AUTHORIZATION OF THE EXECUTION OF STANDBY BOND PURCHASE AGREEMENTS  
RELATING TO THE VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985  
B AND SERIES 1986 B OF THE OHIO STATE UNIVERSITY**

Resolution No. 91-75

Synopsis: The Fiscal Affairs Committee recommended providing for the execution of the Standby Bond Purchase Agreement, dated as of December 6, 1990 Regarding The Ohio State University \$42,500,000 Variable Rate Demand General Receipts Bonds, Series 1985 B (the "New Series 1985 B Standby Bond Purchase Agreement"), by and between The Ohio State University (the "University") and National Westminster Bank PLC, acting by and through its New York Branch ("National Westminster Bank"), and the Standby Bond Purchase Agreement dated as of December 6, 1990 Regarding The Ohio State University \$45,000,000 Variable Rate Demand General Receipts Bonds, Series 1986 B (the "New Series 1986 B Standby Bond Purchase Agreement"), by and between the University and National Westminster Bank, for the purpose of replacing the Standby Bond Purchase and Term Loan Agreement, dated as of December 30, 1985 (the "Original Series 1985 B Standby Bond Purchase Agreement"); Restated Standby Bond Purchase and Term Loan Agreement, dated as of December 1, 1986 (the "Restated Standby Bond Purchase Agreement"); Amendment, Waiver and Assumption Agreement, dated as of March 1, 1988 (the "Assumption Agreement"); Standby Bond Purchase Agreement, dated as of August 1, 1986 (the "Original Series 1986 B Standby Bond Purchase Agreement") and Amended Standby Bond Purchase Agreement, dated as of August 1, 1986 (the "Amended Standby Bond Purchase Agreement"), thereby replacing The Industrial Bank of Japan, Limited, Chicago Branch with the National Westminster Bank as the liquidity facility for the Series 1985 B Bonds and replacing The Fuji Bank, Limited with the National Westminster Bank as the liquidity facility for the Series 1986 B Bonds.

WHEREAS The Ohio State University, a state university of the State of Ohio created and existing under Chapter 3335 of the Ohio Revised Code (the "University") by resolution adopted by its Board of Trustees (the "Board") on November 1, 1985 (the "Series 1985 A Bond Resolution") and by a Trust Indenture (the "Original Indenture") dated as of November 15, 1985 between the University and The Huntington National Bank, a national banking association, with its principal place of business located in Columbus, Ohio (the "Trustee") has provided for the issuance from time to time of General Receipts Bonds of the University (the "Bonds"), with each such issue to be authorized by a Series Resolution (as defined in the Original Indenture) adopted by the Board pursuant thereto; and

WHEREAS the University has heretofore issued pursuant to the Series 1985 A Bond Resolution, the Series 1985 B Bond Resolution, adopted by the Board on December 6, 1985 (the "Series 1985 B Bond Resolution"), the Original Indenture and the First Supplemental Indenture, dated as of December 30, 1985 (the "First Supplemental Indenture") between the University and the Trustee, the \$42,500,000 The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1985 B (the "Series 1985 B Bonds") (\$26,100,000 principal amount currently outstanding); and



**AUTHORIZATION OF THE EXECUTION OF STANDBY BOND PURCHASE AGREEMENTS  
RELATING TO THE VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985  
B AND SERIES 1986 B OF THE OHIO STATE UNIVERSITY (contd)**

WHEREAS the University has issued pursuant to the Series 1986 A Bond Resolution adopted by the Board on July 11, 1986 (the "Series 1986 A Bond Resolution"), the Series 1986 B Bond Resolution, adopted by the Board on July 11, 1986 (the "Series 1986 B Bond Resolution"), the Original Indenture and the Third Supplemental Indenture, dated as of August 1, 1986 (the "Third Supplemental Indenture"), between the University and the Trustee, The Ohio State University General Receipts Bonds Series 1986 B (the "Series 1986 B Bonds") in a principal amount equal to \$45,000,000 (\$42,400,000 principal amount currently outstanding); and

WHEREAS subsequent to sale of the Series 1985 B Bonds and the sale of the 1986 Series B Bonds, Moody's Investors Service, Inc. ("Moody's") instituted new rating criteria; and

WHEREAS for the purpose of complying with Moody's new rating criteria, the Board adopted a Resolution No. 87-70 on December 5, 1986 (the "Series 1985 B Amendment Resolution") authorizing the execution and delivery of the Amendment Agreement dated as of August 1, 1986 (the "Amendment Agreement"); and

WHEREAS for the purpose of complying with Moody's new rating criteria, the Board adopted a Resolution No. 87-71 on December 5, 1986 (the "Series 1986 B Amendment Resolution") authorizing the execution and delivery of the Amended Third Supplemental Indenture dated as of August 1, 1986 (the "Amended Third Supplemental Indenture"); and

WHEREAS pursuant to the terms of the First Supplemental Indenture, the Series 1985 B Bond Resolution and the Amendment Agreement, owners of the Series 1985 B Bonds have the option to tender and may be required to tender Series 1985 B Bonds for repurchase at the times specified in the First Supplemental Indenture, the Series 1985 B Bond Resolution and the Amendment Agreement at a price equal to the principal amount of the tendered Series 1985 B Bonds plus interest accrued to the purchase date; and

WHEREAS pursuant to the terms of the Amended Third Supplemental Indenture and the Series 1986 B Bond Resolution, owners of the Series 1986 B Bonds have the option to tender and may be required to tender Series 1986 B Bonds for repurchase at the times specified in the Amended Third Supplemental Indenture and the Series 1986 B Bond Resolution at a price equal to the principal amount of the tendered Series 1986 B Bonds plus interest accrued to the purchase date; and

WHEREAS heretofore The Industrial Bank of Japan, Limited, New York Branch, provided liquidity for the purchase of the Series 1985 B Bonds tendered for purchase pursuant to the Amended Third Supplemental Indenture, the Series 1985 B Bond Resolution and the Amendment Agreement, to the extent that the Remarketing Agent was unable to otherwise remarket such Bonds, pursuant to the Original Series 1985 B Standby Bond Purchase Agreement, the Restated Standby Bond Purchase Agreement and, subsequently, but nonetheless heretofore, The Industrial Bank of Japan, Limited, Chicago Branch, provided such liquidity pursuant to the Assumption Agreement (the Original Series 1985 B Standby Bond Purchase Agreement, Restated Standby Bond Purchase Agreement and Assumption Agreement collectively referred to as the "Original Series 1985 B Agreements"); and

**AUTHORIZATION OF THE EXECUTION OF STANDBY BOND PURCHASE AGREEMENTS  
RELATING TO THE VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985  
B AND SERIES 1986 B OF THE OHIO STATE UNIVERSITY (contd)**

WHEREAS the University presently desires to replace the Original Series 1985 B Agreements with the New Series 1985 B Standby Bond Purchase Agreement, pursuant to which the National Westminster Bank will provide liquidity for the purchase of the Series 1985 B Bonds tendered for purchase pursuant to the Amended Third Supplemental Indenture, the Series 1985 B Bond Resolution and the Amended Agreement, to the extent that the Remarketing Agent is unable to otherwise remarket such Bonds; and

WHEREAS heretofore The Fuji Bank, Limited, acting through its Chicago Branch, Chicago, Illinois ("Fuji Bank") provided liquidity for the purchase of the Series 1986 B Bonds tendered for purchase pursuant to the Amended Third Supplemental Indenture and the Series 1986 B Bond Resolution, to the extent that the Remarketing Agent was unable to otherwise remarket such Bonds, pursuant to the Original Series 1986 B Standby Bond Purchase Agreement and Amended Standby Bond Purchase Agreement (the Original Series 1986 B Standby Bond Purchase Agreement and Amended Standby Bond Purchase Agreement collectively referred to as the "Original Series 1986 B Agreements"); and

WHEREAS the University presently desires to replace the Original Series 1986 B Agreements with the New Series 1986 B Standby Bond Purchase Agreement, pursuant to which the National Westminster Bank will provide liquidity for the purchase of the Series 1986 B bonds tendered for purchase pursuant to the Amended Third Supplemental Indenture and the Series 1986 B Bond Resolution, to the extent that the Remarketing Agent is unable to otherwise remarket such Bonds:

NOW THEREFORE

BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE OHIO STATE UNIVERSITY, AS FOLLOWS:

Section 1. Definitions And Interpretations. All words and terms defined in the Series 1985 A Bond Resolution, Original Indenture, Series 1985 B Bond Resolution, First Supplemental Indenture, Series 1986 B Bond Resolution, Third Supplemental Indenture, Series 1985 B Amendment Resolution, Amendment Agreement, Series 1986 B Amendment Resolution, Amended Third Supplemental Indenture, Series 1985 B Standby Bond Purchase Agreement, Restated Standby Bond Purchase Agreement, Assumption Agreement, New Series 1985 B Standby Bond Purchase Agreement, Series 1986 B Standby Bond Purchase Agreement, Amended Standby Bond Purchase Agreement and New Series 1986 B Standby Bond Purchase Agreement and all interpretations therein provided shall have in this Resolution the same meanings, respectively, and be subject to the same interpretations as therein provided or used, except to the extent defined herein and unless the context or use clearly indicates another or different meaning or intent.

Section 2. New Series 1985 B Standby Bond Purchase Agreement. The form of the New Series 1985 B Standby Bond Purchase Agreement on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are approved on behalf of the University by the Treasurer. The approval on behalf of the University of those changes and completions by the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the New Series 1985 B Standby Bond Purchase Agreement on behalf of the University by the Treasurer. In addition, the Treasurer is hereby authorized to approve on behalf of the University any amendments to any existing indentures or other documents, as well as to execute on behalf

**AUTHORIZATION OF THE EXECUTION OF STANDBY BOND PURCHASE AGREEMENTS  
RELATING TO THE VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985  
B AND SERIES 1986 B OF THE OHIO STATE UNIVERSITY (contd)**

of the University any supplemental indentures, pledge agreements or any other documents, in connection with the Series 1985 B Bonds appropriate or necessary to effect the replacement of the Original Series 1985 B Bond Agreements with the New Series 1985 B Standby Bond Purchase Agreement and which are not inconsistent with this Resolution and not substantially adverse to the University. The approval on behalf of the University of those amendments, supplemental indentures, pledge agreements or other documents by the Treasurer, and the status of such as not substantially adverse to the University, shall be conclusively evidenced by the execution of such amendments, supplemental indentures, pledge agreements or other documents on behalf of the University by the Treasurer. In addition, the Treasurer is hereby authorized to take any other actions which the Treasurer deems are necessary or appropriate to effect the replacement of the Original Series 1985 B Bond Agreements.

**Section 3. New Series 1986 B Standby Bond Purchase Agreement.** The form of the New Series 1986 B Standby Bond Purchase Agreement on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University and as are approved on behalf of the University by the Treasurer. The approval on behalf of the University of those changes and completion by the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the New Series 1986 B Standby Bond Purchase Agreement on behalf of the University by the Treasurer. In addition, the Treasurer is hereby authorized to approve on behalf of the University any amendments to any existing indentures or other documents, as well as to execute on behalf of the University any supplemental indentures, pledge agreements or any other documents to be executed in connection with the Series 1986 B Bonds appropriate or necessary to effect the replacement of the Original Series 1986 B Bond Agreements with the New Series 1986 B Standby Bond Purchase Agreement and which are not inconsistent with this Resolution and not substantially adverse to the University. The approval on behalf of the University of those amendments, supplemental indentures, pledge agreements or other documents by the Treasurer, and the status of such as not substantially adverse to the University, shall be conclusively evidenced by the execution of such amendments, supplemental indentures, pledge agreements or other documents on behalf of the University by the Treasurer. In addition, the Treasurer is hereby authorized to take any other actions which the Treasurer deems are necessary or appropriate to effect the replacement of the Original Series 1985 B Bond Agreements.

**Section 4. Carrying Out of Obligations Under New Series 1985 B Standby Bond Purchase Agreement and New Series 1986 B Standby Bond Purchase Agreement.** The Treasurer is hereby authorized on behalf of the University to cause the obligations of the University under the New Series 1985 B Standby Bond Purchase Agreement and the New Series 1986 B Standby Bond Purchase Agreement to be carried out and performed including, but not limited to, the payment of fees and expenses to National Westminster Bank payable thereunder and the payment of an origination fee to The Huntington National Bank in an amount equal to one-sixteenth of one percent of the total of the bond purchase commitments under the New Series 1985 B Standby Bond Purchase Agreement and the New Series 1986 B Standby Bond Purchase Agreement.

**Section 5. Text Of Resolution.** The text of this Resolution authorizing the execution of the New Series 1985 B Standby Bond Purchase Agreement and the New Series 1986 B Standby Bond Purchase Agreement and related acts by the University may be changed for the purpose of curing any ambiguity, inconsistency or formal defect or omission in this Resolution or in respect of this Resolution, as it relates to the New Series 1985 B Standby Bond Purchase Agreement or the New Series 1986 B Standby Bond Purchase Agreement. Such

December 6, 1990 meeting, Board of Trustees

**AUTHORIZATION OF THE EXECUTION OF STANDBY BOND PURCHASE AGREEMENTS  
RELATING TO THE VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985  
B AND SERIES 1986 B OF THE OHIO STATE UNIVERSITY (contd)**

changes shall be subject to the approval of the Treasurer as being changes not substantially adverse to the University or contrary to the true intent and meaning hereof and shall be acceptable to the Bond Counsel.

Section 6. Open Meeting Determination. It is found and determined that all formal actions of the Board concerning or relating to the adoption of this Resolution were adopted in an open meeting of the Board, and that all deliberations of the Board and of any of its committees that resulted in such formal action were in meetings open to the public, in compliance with all legal requirements including Section 121.22 of the Revised Code.

Section 7. Effective Date. This Resolution shall take effect and be enforced immediately upon its adoption.

Upon motion of Mr. Teaford, seconded by Mr. Celeste, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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Mr. Shkurti:

As you may have read in the past, the State has a budget problem projected for this current fiscal year ending June 30, of approximately \$260 million and the Governor has sent a proposal to the Legislature for dealing with this problem. Traditionally, the way the Legislature deals with a budget problem is by cutting appropriations to those who receive state money. Complicating the fact this time around is that the State does have a significant rainy day fund, so we don't know quite what the Legislature is going to do. The problem here at Ohio State, where we receive approximately \$300 million in State funds yearly, is if we wait too long and the cut comes later in the year, we only will have a couple of months to make it up and that becomes very difficult. On the other hand, we don't want to over react to this problem and inflict a lot of pain unnecessarily. So, as an initial measure a memo is going out today to all vice presidents and deans over my signature and Jim Nichols' signature, as head of Personnel, indicating that at the President's direction we are instituting some additional controls on hiring. Those controls will have exemptions for teaching positions and also for other selected areas such as patient care, people in the Hospitals, and people who bring money into the University.

The second element in this memorandum will be instruction to deans and vice presidents to carefully monitor, and we hope they do that anyway, other discretionary spending. The third element will be a discussion indicating that the deans and vice presidents and other elements of the University community should plan for some form of reallocation later this year or early next year -- not just to deal with the issue of possible state budget problems, but the issue of continuing to use our resources effectively here at Ohio State University. And we will work with those people on developing a reallocation plan that makes sense for the University.

In addition, we will continue to monitor what the State does so that we can stay flexible depending on what they do. As I said, this memorandum will go out today and I wanted to make sure that the Board knew we were doing this and why. Again, it is important that we don't be overly complacent in a time of fiscal stress, but at the same time not over react. And I think this memorandum, which has been discussed

December 6, 1990 meeting, Board of Trustees

Mr. Shkurti: (contd)

with the University Senate, deans, and other elements of the University community, is a way of balancing these two needs.

The other thing I feel I should say is that because this is a rather large University and what may be bad news in one context, there is other news sometimes that offsets it. The Board may recall at the last meeting I mentioned that we would get more income than we originally planned when we put the budget together last June, because enrollments were higher than anticipated. So, somehow that has to fit into the mix as well. We don't know what the numbers will be at this point in time, but by the time we do the mid-year review for you in February, hopefully we will have that worked out and have more information for you. That concludes my report, and I will be glad to answer any questions if there are any.

(See Appendix XLV for complete context of the Guidelines for Implementation of Budget Contingency Plans, page 723.)

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Mrs. Bowser:

I want to join President Gee in wishing all the members of the Board and University family a very happy holiday season. However, I have a second part to add. I would very much like to see Ohio State win in the Liberty Bowl, since I am going to Memphis and going to have a good time. I hope that the new year holds a big win for us all.

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Thereupon the Board adjourned to meet Friday, February 1, 1991, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

Attest:

Madison H. Scott  
Secretary

Shirley D. Bowser  
Chairperson

Page 670 Blank

**APPENDIX XXXV**

**THE OHIO STATE UNIVERSITY ENDOWMENT SUMMARY**  
**November 16, 1990**

**Presented to the Investments Committee and**  
**Adopted by the Board of Trustees, December 6, 1990**  
**(See page 622)**

# **THE OHIO STATE UNIVERSITY**

## **ENDOWMENT FUND**

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### **ENDOWMENT SUMMARY**

**November 16, 1990**

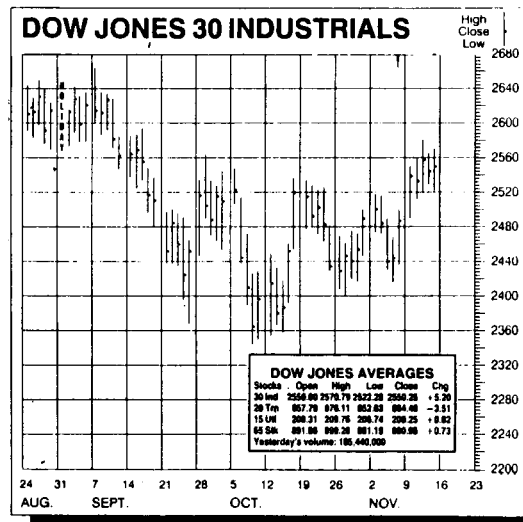
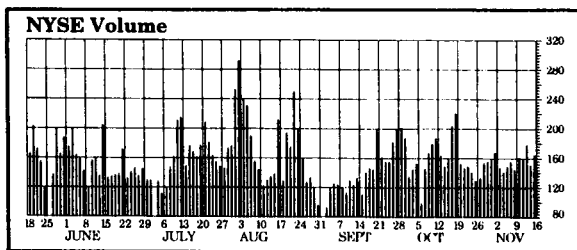
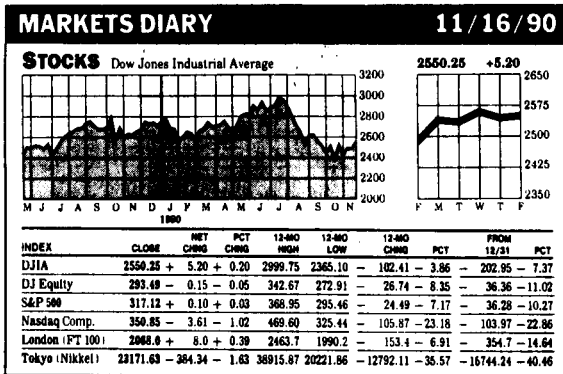
**Office of the Treasurer**





# The Ohio State University Endowment Fund

## Equity Market Information



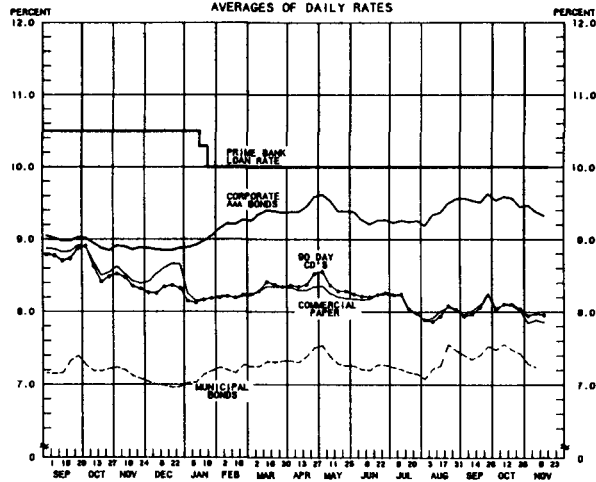
# The Ohio State University Endowment Fund

## Selected Yield and Interest Rates

674

### YIELDS ON SELECTED SECURITIES

AVERAGES OF DAILY RATES



LATEST DATA PLOTTED ARE AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING: NOVEMBER 16, 1980.

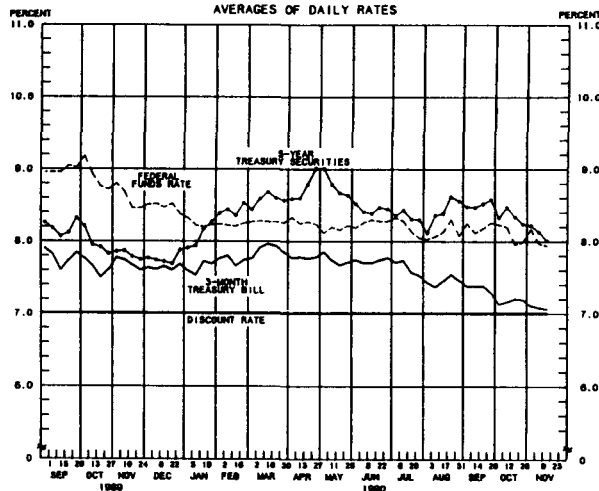
1980	90 DAY CD'S	30-DAY COMMERCIAL PAPER	90-DAY BANKERS' ACCEPTANCES	CORPORATE AAA BONDS	CORPORATE BAA BONDS	MUNICIPAL BONDS (H)
SEP. 7	7.94	7.06	7.66	9.37	10.34	7.41
14	7.97	6.02	7.73	9.34	10.37	7.35
21	8.06	8.10	7.85	9.51	10.66	7.41
28	8.24	8.26	8.02	9.83	10.76	7.53
OCT. 5	8.02	8.06	7.90	9.54	10.63	7.48
12	8.11	8.10	7.97	9.59	10.74	7.58
19	8.11	8.09	7.92	9.57	10.79	7.48
26	8.03	8.02	7.82	9.45	10.75	7.43
NOV. 2	7.95	7.85	7.71	9.47	10.76	7.29
9	7.98	7.89	7.76	9.38	10.75	7.24
16 H	7.96	7.86	7.75	9.33	10.68	N.A.
23						
30						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' H-15 RELEASE.  
 H-15 RELEASE OF RATES AVAILABLE  
 H-15 BOND BUYER'S AVERAGE INDEX OF 20 MUNICIPAL BONDS, THURSDAY DATA  
 N.A. - NOT AVAILABLE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

### SELECTED INTEREST RATES

AVERAGES OF DAILY RATES



LATEST DATA PLOTTED ARE AVERAGES OF RATES AVAILABLE FOR THE WEEK ENDING: NOVEMBER 16, 1980.

1980	FEDERAL FUNDS (H)	3-MONTH TREASURY BILL (H)	6-MONTH TREASURY BILL (H)	1-YEAR TREASURY BILL (H)	5-YEAR TREASURY SECURITIES	LONG-TERM TREASURY SECURITIES
SEP. 7	8.25	7.38	7.36	7.23	8.48	9.05
14	8.12	7.38	7.34	7.24	8.47	9.04
21	8.18	7.38	7.30	7.24	8.47	9.12
28	8.29	7.29	7.33	7.28	8.58	9.14
OCT. 5	8.23	7.13	7.21	7.07	8.33	8.87
12	8.20	7.19	7.21	7.12	8.47	9.07
19	7.96	7.20	7.22	7.09	8.34	8.82
26	7.90	7.19	7.18	7.02	8.24	8.82
NOV. 2	8.17	7.11	7.13	6.93	8.22	8.82
9	7.97	7.08	7.05	6.88	8.13	8.71
16 H	7.84	7.06	7.02	6.85	8.01	8.54
23						
30						

NOTE: CURRENT DATA APPEAR IN THE BOARD OF GOVERNORS' H-15 RELEASE EXCLUDING LONG-TERM TREASURY SECURITIES WHICH ARE COMPUTED BY THIS BANK. TREASURY BILL YIELDS ARE ON A DISCOUNT BASIS.  
 H-15 RELEASE OF RATES AVAILABLE  
 H-15 BOND BUYER'S AVERAGE INDEX OF 20 MUNICIPAL BONDS, THURSDAY DATA  
 N.A. - NOT AVAILABLE

PREPARED BY FEDERAL RESERVE BANK OF ST. LOUIS

# THE OHIO STATE UNIVERSITY

## Portfolio Summary

	<u>11/16/90</u>	<u>10/19/90</u>	<u>6/30/90</u>
Unallocated Cash	\$8,516,412	\$23,144,104	\$26,394,640
Equities:			
Chicago	33,338,233	31,685,585	38,632,387
R. Meeder	9,821,764	9,595,750	13,001,471
Neuberger & Berman	12,413,284	12,005,851	14,170,710
Nicholas Applegate	17,863,992 [1]	12,628,411	15,494,958
Siebel	31,417,573	30,885,072	36,744,939
University Managed	25,283,211	24,696,968	33,379,715
University Students	4,901,753	4,802,041	5,622,381
Wells Fargo EAFE	7,977,683	8,449,318	9,088,214
Wells Fargo S&P 500	34,762,511 [2]	26,860,149	30,747,343
Total Equities	<u>177,780,004</u>	<u>161,609,145</u>	<u>196,882,118</u>
Fixed Income:			
Boatmen's Trust	28,488,484 [3]	27,472,970	23,329,632
Cambridge	0 [4]	896,848	921,596
Duff & Phelps	10,270,105	10,111,639	10,142,483
WR Lazard	14,979,818 [1]	9,850,097	9,888,684
STW Fixed Income	28,299,020 [3]	27,675,464	23,393,709
University GNMA	10,173,587	10,013,919	10,088,124
University Managed	185,113	205,710	289,044
Total Fixed Income	<u>92,394,127</u>	<u>88,226,647</u>	<u>78,053,252</u>
Real Estate	<u>43,861,230</u>	<u>43,862,825</u>	<u>43,869,131</u>
TOTAL INVESTMENT POOL	<u>\$322,551,773</u>	<u>\$314,842,721</u>	<u>\$345,199,141</u>
Less amounts invested for:			
University Foundation	(15,297,254)	(14,923,299)	(16,383,204)
Transportation Research Center	(3,823,606)	(3,755,130)	(6,935,639)
TOTAL ENDOWMENT FUND	<u>\$303,430,913</u>	<u>\$296,164,292</u>	<u>\$321,880,298</u>

Asset Allocation	<u>11/16/90</u>	<u>% of Portfolio</u>	<u>10/19/90</u>	<u>% of Portfolio</u>	<u>6/30/90</u>	<u>% of Portfolio</u>
Equities	\$182,992,548	50.53	\$147,118,954	46.73	\$183,764,582	53.23
Fixed Income	86,147,478	26.71	84,300,691	28.78	77,004,000	22.31
Real Estate	43,778,500	13.57	43,778,500	13.90	43,778,500	12.68
Cash	29,633,247	9.19	39,644,576	12.59	40,652,059	11.78
u	<u>\$322,551,773</u>	<u>100.00</u>	<u>\$314,842,721</u>	<u>100.00</u>	<u>\$345,199,141</u>	<u>100.00</u>

[1] Commitment increased \$5,000,000 on November 15, 1990.

[2] Commitment increased \$7,500,000 on November 15, 1990.

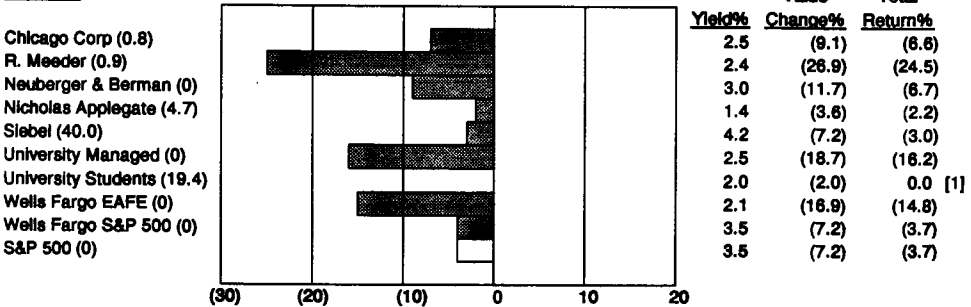
[3] Commitment increased \$5,000,000 on October 12, 1990.

[4] Investment Advisory Agreement terminated on November 15, 1990.

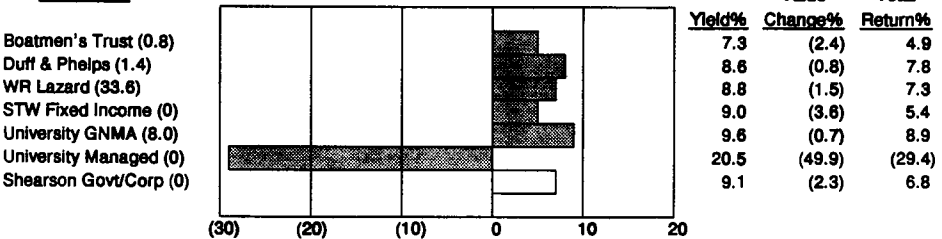
# THE OHIO STATE UNIVERSITY Endowment Performance Summary

## Estimated 12 Month Total Return

### Equities



### Fixed Income



( ) Percent Cash 11/16/90

[1] Reflects return from initial allocation February 20, 1990 only.

	Year to Date July 1, 1990 to November 16, 1990	Latest Month October 20, 1990 to November 16, 1990
<u>Change in Total Valuation</u>		
Beginning Market Value	\$321,880,298	\$296,164,292
Principal Additions	11,717,808	1,863,340
Principal Withdrawals	(108,477)	0
Income Reserve	(780,433)	0
Change in Market Value	(29,278,283)	5,403,281
Ending Market Value	<u>\$303,430,913</u>	<u>\$303,430,913</u>

NOTE: Endowment Income from July 1, 1990 through November 30, 1990 totaled approximately \$6,768,000.

**THE OHIO STATE UNIVERSITY**  
**Maturities and**  
**Real Estate Activity**

**MATURITIES THAT OCCURRED DURING PERIOD**

<u>Per Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>
------------------	--------------------------------	----------------

No maturities during the period.

**REAL ESTATE**

**Acquisitions & Sales**

**Description**

**Cost or**  
**Appraised Value**

No activity during the period.

# **THE OHIO STATE UNIVERSITY** **Equity Acquisitions**

## Purchases and Gifts During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
3,500	Banc One Corp.	Chicago	20.3750	\$71,540.00	\$3,640.00
2,000	Bancorp Hawaii, Inc.	Chicago	32.8125	65,625.00	3,280.00
3,400	Century Telephone Co.	Chicago	26.3456	89,796.00	1,428.00
1,200	Consolidated Papers, Inc.	Chicago	30.7500	36,900.00	1,440.00
1,400	Cooper Tire & Rubber Co.	Chicago	18.3040	22,916.60	336.00
1,200	Dover Corp.	Chicago	32.6250	39,228.00	864.00
900	Emerson Electric Co.	Chicago	35.0090	31,566.60	1,134.00
3,000	FMC Corp.	Chicago	26.3750	79,320.00	1,440.00
4,800	Fifth Third Bancorp.	Chicago	27.8020	133,449.60	5,184.00
1,600	Giant Foods, Inc. Cl. A	Chicago	24.0970	38,651.20	800.00
8,400	Harley-Davidson, Inc.	Chicago	16.4080	105,427.43	0.00
1,300	Hormel (Geo. A) & Co.	Chicago	14.7500	19,259.50	338.00
900	Illinois Tool Works, Inc.	Chicago	41.4210	37,337.40	540.00
1,700	Kentucky Utilities Co.	Chicago	19.9867	94,243.00	6,862.00
1,800	Knight Ridder, Inc.	Chicago	37.7500	66,067.00	2,378.00
1,100	Lance, Inc.	Chicago	20.5000	22,550.00	836.00
9,400	Limited, Inc.	Chicago	14.7413	139,179.40	2,256.00
1,200	Lincoln Telecommunications, Inc.	Chicago	25.1250	30,150.00	888.00
600	Long's Drug Stores Corp.	Chicago	36.8720	22,162.20	624.00
5,600	Lotus Development Corp.	Chicago	15.3571	86,000.00	0.00
700	McDonalds Corp.	Chicago	26.4950	18,592.00	217.00
1,000	NCR Corp.	Chicago	49.1030	49,168.00	1,400.00
5,100	National Pizza Co.	Chicago	17.8260	90,912.50	0.00
1,500	Nike, Inc.	Chicago	27.3750	41,160.00	1,200.00
8,100	Old Kent Financial Corp.	Chicago	21.5181	174,296.70	8,586.00
1,000	Pacific Telecom, Inc.	Chicago	24.0000	24,000.00	1,100.00
2,100	Russell Corp.	Chicago	16.9850	35,805.00	672.00
5,300	Shaw Industries, Inc.	Chicago	16.3139	86,808.10	2,650.00
1,600	Super Valu-Stores, Inc.	Chicago	24.0000	38,504.00	960.00
3,500	Temple-Inland, Inc.	Chicago	26.8750	94,290.00	4,080.00
600	Tyco Labs, Inc.	Chicago	37.7500	22,689.00	192.00
1,000	U.S. Bancorp.	Chicago	19.1250	19,125.00	1,000.00
12,400	UNIFI, Inc.	Chicago	16.6747	207,571.98	0.00
6,300	Vishay Intertechnology, Inc.	Chicago	12.3595	78,274.35	0.00
1,400	Wells Fargo & Co.	Chicago	49.5510	69,462.40	5,600.00

Continued next page

# THE OHIO STATE UNIVERSITY

## Equity Acquisitions

### Purchases and Gifts During Period (continued)

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
3,000	Westinghouse Electric Corp.	Chicago	25.3750	\$76,320.00	\$7,200.00
1,200	Zurn Industries, Inc.	Chicago	32.1250	38,622.00	912.00
8,000	Adolph Coors Co.	Nicholas-Applegate	24.8875	222,187.50	4,500.00
1,700	Becton Dickinson & Co.	Nicholas-Applegate	72.3160	123,039.20	1,768.00
10,700	Betz Laboratories, Inc.	Nicholas-Applegate	36.3707	389,166.88	20,865.00
3,100	Centocor, Inc.	Nicholas-Applegate	42.5000	131,750.00	0.00
2,100	Chemical Waste Management, Inc.	Nicholas-Applegate	19.1250	40,288.50	756.00
4,900	Chiquita Brands International, Inc.	Nicholas-Applegate	27.6250	135,656.50	6,860.00
4,900	Chiron Corp.	Nicholas-Applegate	38.0000	186,200.00	0.00
3,100	Coastal Corp.	Nicholas-Applegate	34.8750	108,298.50	1,860.00
9,700	Costco Wholesalers Corp.	Nicholas-Applegate	39.5116	284,727.50	0.00
5,100	Enron Oil & Gas Corp.	Nicholas-Applegate	24.9750	127,678.50	1,020.00
1,600	Fluor Corp.	Nicholas-Applegate	38.3750	61,496.00	384.00
5,800	Foster Wheeler Inc.	Nicholas-Applegate	22.6250	131,573.00	2,900.00
6,600	Genentech, Inc.	Nicholas-Applegate	23.9640	158,558.40	0.00
2,900	General Motors Corp. Cl., E	Nicholas-Applegate	35.0000	101,674.00	1,624.00
10,000	Genetics Inst, Inc.	Nicholas-Applegate	36.3424	363,423.78	0.00
72,200	Global Marine, Inc.	Nicholas-Applegate	5.0036	365,592.50	0.00
2,300	Halliburton Co.	Nicholas-Applegate	45.3750	104,500.50	2,300.00
6,300	Home Depot, Inc.	Nicholas-Applegate	34.4826	217,618.50	756.00
2,900	Humana, Inc.	Nicholas-Applegate	42.8750	124,511.50	3,480.00
5,900	Imcera Group, Inc.	Nicholas-Applegate	63.1951	373,205.26	5,900.00
3,900	Intel Corp.	Nicholas-Applegate	36.5000	142,350.00	0.00
9,300	Manor Care, Inc.	Nicholas-Applegate	15.7726	147,243.60	1,209.00
13,300	Maxus Energy Corp.	Nicholas-Applegate	10.0000	133,798.00	0.00
8,000	Medco Containment Services, Inc.	Nicholas-Applegate	27.6250	221,000.00	320.00
2,100	Medtronics, Inc.	Nicholas-Applegate	86.8750	182,563.50	1,722.00
3,100	Microsoft Corp.	Nicholas-Applegate	67.7500	210,025.00	0.00
8,300	Mitchell Energy & Development Corp.	Nicholas-Applegate	22.2050	164,799.50	2,656.00
3,100	Morton International, Inc.	Nicholas-Applegate	43.7500	135,811.00	2,728.00
6,300	Novell, Inc.	Nicholas-Applegate	28.5000	179,550.00	0.00

Continued next page

**THE OHIO STATE UNIVERSITY**  
**Equity Acquisitions**

Purchases and Gifts During Period (continued)

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Investment</u>	<u>Annual Dividend</u>
6,400	Pittson Co.	Nicholas-Applegate	18.5000	\$118,784.00	\$1,280.00
9,300	Rowan Companies, Inc.	Nicholas-Applegate	11.5710	108,168.30	0.00
7,500	Service Corp. International	Nicholas-Applegate	21.6750	164,512.50	4,200.00
6,300	Southwest Airlines Co.	Nicholas-Applegate	16.7500	105,903.00	630.00
11,700	Tyson Foods, Inc.	Nicholas-Applegate	27.7367	324,519.70	468.00
9,800	U.S. Health Care Inc.	Nicholas-Applegate	23.8750	229,200.00	3,456.00
12,400	Varian Associates, Inc.	Nicholas-Applegate	31.2221	387,897.80	3,224.00
57,700	Wendy's International	Nicholas-Applegate	6.3820	371,704.40	13,848.00
7,700	Wheelabrator Technologies, Inc.	Nicholas-Applegate	36.1930	279,148.22	0.00
10,400	American Stores Co.	Siebel	45.1710	470,506.40	11,648.00
18,500	Dreyfus Corp.	Siebel	25.0230	464,220.50	9,620.00
				<u>\$10,891,821.88</u>	<u>\$161,997.00</u>



# THE OHIO STATE UNIVERSITY

## Equity Sales

### Sales Made During Period

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
3,900	Bemis, Inc.	Chicago	27.0064	\$105,067.98	\$25,394.88
7,100	Bio-Met, Inc.	Chicago	27.8908	198,025.00	13,425.00
18,400	Fedders Corp.	Chicago	5.7232	104,108.07	(118,779.28)
5,400	Leggett & Platt	Chicago	21.2500	114,395.17	(87,981.17)
5,600	Louisiana Pacific Corp.	Chicago	22.1707	123,787.85	(78,960.15)
4,300	NACCO Industries, Inc.	Chicago	23.7074	101,658.88	(96,558.12)
4,900	Potlatch Corp.	Chicago	23.8669	116,625.59	(38,042.91)
11,100	Standard Register Co.	Chicago	9.5000	105,450.00	(86,600.00)
3,300	Stanley Works	Chicago	28.6000	94,162.35	3,171.45
8,600	Tandem Computers, Inc.	Chicago	9.1250	77,913.38	(160,531.83)
1,000	Tandy Corp.	Chicago	28.2500	28,184.05	(942.45)
4,600	Tribune Co.	Chicago	33.9479	162,632.56	(90,154.44)
1,200	Wal-Mart Stores, Inc.	Chicago	27.6820	33,139.29	15,568.29
800	Washington Post Co.	Chicago	171.0000	136,743.44	(28,167.01)
4,500	Wrigley (Wm.) Co.	Chicago	51.7324	232,495.54	80,364.04
9,000	Adolph Coors Co.	Nicholas-Applegate	19.8750	178,875.00	(43,312.50)
4,600	Autodesk, Inc.	Nicholas-Applegate	38.9309	179,062.20	29,972.38
12,000	Blockbuster Entertainment Corp.	Nicholas-Applegate	19.5699	232,508.90	(3,193.58)
2,800	ConAgra, Inc.	Nicholas-Applegate	33.9700	94,944.82	395.71
14,000	Equifax, Inc.	Nicholas-Applegate	15.8592	221,181.27	(70,158.73)
3,000	Fluor Corp.	Nicholas-Applegate	32.8717	98,731.79	24,700.94
1,700	General Motors Corp. Cl., E	Nicholas-Applegate	32.9354	55,886.32	(2,532.83)
800	Genetics Inst, Inc.	Nicholas-Applegate	33.0781	26,458.50	(2,877.48)
1,000	Halliburton Co.	Nicholas-Applegate	46.7190	46,657.44	2,563.64
100	Helmerich & Payne Corp.	Nicholas-Applegate	26.7500	2,668.91	(597.38)
1,100	Home Depot, Inc.	Nicholas-Applegate	28.5000	31,282.95	18,746.91
2,000	Intel Corp.	Nicholas-Applegate	32.6250	65,250.00	5,369.15
2,300	Motorola, Inc.	Nicholas-Applegate	54.9743	126,298.78	(39,234.67)
4,100	Nucor Corp.	Nicholas-Applegate	63.4640	259,947.82	(44,735.48)
4,400	Reynolds Metal Co.	Nicholas-Applegate	49.6474	218,177.30	(69,831.14)
1,300	Rhone-Poulenc Rorer, Inc.	Nicholas-Applegate	62.6538	81,369.26	5,267.75
2,800	Southwest Airlines Co.	Nicholas-Applegate	17.4091	48,575.76	488.67
7,300	Sun Microsystems, Inc.	Nicholas-Applegate	15.5040	113,179.20	(34,510.43)

Continued next page

**THE OHIO STATE UNIVERSITY**  
**Equity Sales**

**Sales Made During Period (continued)**

<u>Number of Shares</u>	<u>Company</u>	<u>Advisor</u>	<u>Price/Share</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
4,000	Tambrands, Inc.	Nicholas-Applegate	81.7640	\$326,805.09	\$41,502.33
7,200	Tyco Labs, Inc.	Nicholas-Applegate	39.3570	282,929.01	110,822.21
4,300	Anadarko Petroleum Corp.	Siebel	35.0240	150,297.17	48,582.26
20,000	Horseshoe Resource Development, Inc.	Siebel	7.8500	157,000.00	(183,504.00)
16,900	Morton International, Inc.	Siebel	42.5030	717,093.75	143,189.13
5,000	Mobil Corp.	University Students	59.3750	296,565.10	(16,234.90)
9,000	Pepsico, Inc.	University Students	24.3750	218,827.68	39,772.68
3,800	Sterling Software, Inc.	University Students	6.6250	24,794.16	(15,485.84)
				<u>\$5,989,777.35</u>	<u>(\$685,828.90)</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Acquisitions**

**Purchases and Gifts During Period**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Current Yield</u>	<u>Yield to Maturity</u>	<u>Price</u>	<u>Investment</u>
1,500,000	Security Pacific National Bank 11.500% 11-15-00	STW	11.4517	11.4268	100.4220	\$1,506,330.00
4,200,000	U.S. Treasury Bond 10.375% 11-15-12	STW	9.0550	8.8583	114.5781	4,812,281.25
4,000,000	U.S. Treasury Bond 7.500% 11-15-16	STW	8.4344	8.5701	88.9219	3,556,875.00
						<u>\$9,875,486.25</u>

**THE OHIO STATE UNIVERSITY**  
**Fixed Income Sales**

**Sales Made During Period**

<u>Par Value</u>	<u>Issue, Coupon, Maturity</u>	<u>Advisor</u>	<u>Price</u>	<u>Total Sale</u>	<u>Gain (Loss)</u>
1,000,000	Security Pacific National Bank 9.750% 05-15-99	STW	92.5910	\$925,910.00	(\$103,330.00)
3,250,000	U.S. Treasury Bond 9.250% 02-15-16	STW	106.7188	3,468,359.38	(109,892.40)
4,025,000	U.S. Treasury Bond 10.750% 08-15-05	STW	117.7031	4,737,550.78	59,934.97
				<u>\$9,131,820.16</u>	<u>(\$153,287.43)</u>

**THE OHIO STATE UNIVERSITY**  
**Real Estate Investments**

	<u>Yield</u>	<u>Year</u> <u>Acquired</u>	<u>Carrying</u> <u>Value</u>	<u>Appraised</u> <u>Value</u>	<u>Date</u> <u>Appraised</u>
Busch Boulevard Centre	9.36%	1990	\$4,275,000	\$4,275,000	10/89
46.984 acres of land in Delaware County	0.55%	1971	100,793	641,000	06/89
Hangar at Don Scott Field (Loan)	0.00%	1973	20,665 (1)	20,665	N/A
Hangar addition at Don Scott Field (Loan)	10.00%	1978	62,065 (1)	62,065	N/A
17.92 acres of land on Eiterman Road	0.00%	1978	25,152	725,000	05/88
51 acres of land, 2809 West Granville Road	0.00%	1962	160,265	2,896,000	06/89
48.52 acres of land, 3025 West Granville Road	0.00%	1972	544,398	4,367,000	06/89
76.143 acres of land, 3253 West Granville Road	0.03%	1968	310,538	6,853,000	06/89
30.539 acres of land, 3371 West Granville Road	0.00%	1971	265,079	2,749,000	06/89
32 acres of land, 3371 West Granville Road	0.19%	1986	2,078,666	2,680,000	06/89
12 acres of land, 3483 West Granville Road	0.00%	1965	24,000	1,080,000	06/89
8.557 acres of land, 3505 West Granville Road	0.00%	1968	17,114	770,000	06/89
Undivided one-half interest in building and .65 acres at 1375 South Hamilton Road	2.94%	1988	95,000	95,000	01/86
94.5 acres of land on Harrisburg Pike	0.00%	1986	190,000	283,000	06/89
Building and 2.633 acres at 1900 Kenny Road	21.84%	1961	659,930	1,250,000	06/89
Building and 6.41 acres at 1960 Kenny Road	17.36%	1971	1,320,693	2,500,000	06/89
Building and 6.328 acres at 1991 Kenny Road	8.81%	1968	170,000	696,000	06/89
Building and 3.295 acres at 930 Kinnear Road	7.97%	1962	435,204	1,550,000	06/89
Building and 5.56 acres at 1100 Kinnear Road	3.74%	1984	825,000	2,650,000	06/89
20.988 acres of land on Shier-Rings Road	0.00%	1978	241,848	1,155,000	08/89
Veterans Administration Clinic	8.08%	1979	3,767,261	6,363,500	06/90
			<u>\$15,588,671</u>	<u>\$43,861,230</u>	

(1) Amount represents balance on loan made to Department of Aviation



Office of the Treasurer

Riverwatch Tower - Suite B  
364 West Lane Avenue  
Columbus, OH 43201-1002  
Phone 614-292-6261

## MEMORANDUM

Subject: Proxy Solicitations

Date: November 30, 1990

From: James L. Nichols, Treasurer *James L. Nichols*

To: Board of Trustees, The Ohio State University

During November 1990, the University voted ten proxies.

Management proposals were as follows:

- 1) Election of the Board of Directors;
- 2) Amendment to increase the number of shares of Common Stock;
- 3) Ratification of the independent auditors;
- 4) Approval of Management Worldwide Incentive Plan;
- 5) Amendment to Long-Term Incentive Plan;
- 6) Approval of amendments to Stock Option Plan;
- 7) Adoption of an Employee Stock Purchase Plan;
- 8) Amendment to limit the number of directors;
- 9) Approval of a Long-Term Equity Incentive Plan;
- 10) Approval of an Employee Stock Purchase Plan.

The shareholder proposals were as follows:

- 1) Proposal that the Company identify executive officers who receive more than \$100,000 base salary.
- 2) Reinstate cumulative voting.

The University voted for all Management proposals and against the shareholder proposals. Additionally, Management opposed the shareholder proposals.

The ten corporations were:

- 1) A. Schulman, Incorporated
- 2) Campbell Soup Company
- 3) Carter Hawley Hale Stores, Incorporated
- 4) Citizens Utilities Company
- 5) Cracker Barrel Old Country Store, Incorporated
- 6) Datapoint Corporation
- 7) Lancaster Colony Corporation
- 8) Medco Containment Services, Incorporated
- 9) Pall Corporation
- 10) Sun Microsystems, Incorporated

Page 688 Blank



**APPENDIX XXXVI**

**THE OHIO STATE UNIVERSITY  
QUARTERLY CASH AND INVESTMENTS**

**Presented to the Investments Committee and  
Adopted by the Board of Trustees, December 6, 1990  
(See page 622)**

**THE OHIO STATE UNIVERSITY**  
**Cash and Investments**

	<b>Cash and Investments (at Market) <u>9-30-90</u></b>	<b>Cash and Investments (at Market) <u>6-30-90</u></b>	<b>Total Return for the Three-Months Ended <u>9-30-90</u></b>
University Endowment Fund	\$288,564,966	\$321,880,298	-9.8%
Ohio State University Foundation	15,746,924	17,483,596	-9.8%
Operating Funds	216,917,721	218,654,627	2.0%
Debt Service and Debt Construction Funds	46,409,369	51,607,780	2.0%
OSU Research Foundation	15,722,271	18,074,584	2.0%
Trust Funds	17,246,511	19,057,455	-1.6%
Student Loan Funds	5,345,899	5,862,175	1.9%
Hospital Self Insurance Fund	<u>14,851,899</u>	<u>14,803,147</u>	2.2%
<b>Total All Accounts</b>	<b><u>\$620,805,560</u></b>	<b><u>\$667,423,662</u></b>	

**APPENDIX XXXVII**

**PROCEDURES AND CRITERIA FOR NOMINATING STUDENTS TO  
SERVE ON THE OHIO STATE UNIVERSITY  
BOARD OF TRUSTEES**

**Presented to the Student Affairs Committee  
December 6, 1990  
(See page 631)**

## **PROCEDURES AND CRITERIA FOR NOMINATING STUDENTS TO SERVE ON THE OHIO STATE UNIVERSITY BOARD OF TRUSTEES**

### **INTRODUCTION**

The initial process for nominating students to serve on The Board of Trustees of The Ohio State University shall be the responsibility of the three student governments of The Ohio State University (Undergraduate Student Government, Council of Graduate Students, Interprofessional Student Council). Each student government will be responsible for devising and administering its own process for the selection of nominees from among its constituents in good academic standing and not on disciplinary probation. However, **nominees must be Ohio residents.** All affirmative action policies, university rules and state laws regarding student service to the university shall be observed throughout the nomination process.

### **PHASE I - SCREENING COMMITTEE**

The Screening Committee will evaluate all nominees forwarded by the three student governments. Each student government shall appoint a maximum of three members to serve on the Screening Committee. The Vice Provost for Student Affairs will also appoint one faculty member and one administrator who will serve as non-voting members. A quorum shall be constituted by two-thirds of the voting members of the committee.

The Screening Committee shall develop written procedures and criteria by which all nominees in good academic standing and not on disciplinary probation will be considered. The Screening Committee shall forward to the Interviewing Committee at least ten nominees considered by the Screening Committee to be most qualified and most worthy of an interview.

### **PHASE II - INTERVIEWING COMMITTEE**

Each student government shall appoint a maximum of three members to serve on the Interviewing Committee. No person who served on the Screening Committee may serve on the Interviewing Committee.

The Vice Provost for Student Affairs will also appoint one faculty member and one administrator who will serve as non-voting members. A quorum shall be constituted by two-thirds of the voting members of the committee.

The committee shall develop the written procedures and criteria by which all recommended by the Screening Committee, in good academic standing and not on disciplinary probation will be interviewed and evaluated.

Upon completion of all interviews and evaluations, the committee will select a slate of five students to be presented to the Governor of the State of Ohio as nominees for appointment to the Board of Trustees of The Ohio State University.

### **INITIAL TIME LINE**

The respective student governments will make their nominations to the Screening Committee no later than January 25, 1991.

The Screening Committee will present its recommendations to the Interviewing Committee no later than 8:00 A.M. on February 11, 1991.

Assigned interviews will take place through February 11-22, 1991.

The Interviewing Committee will present its final slate of five candidates to the Governor of the State of Ohio no later than March 4, 1991.

We, the presidents of the respective student governments, hereby acknowledge that the initial time line recommended herein is at the request of the student government presidents and in no way reflects the opinions, attitudes or actions of any member of The Ohio State University Board of Trustees or of The Ohio State University administration.

Michael B. Clark  
Undergraduate Student  
Government

Steve Sloan  
Interprofessional  
Student Council

Benetta A. Burton  
Council of Graduate  
Students

#### **NOMINATION FOR STUDENT CANDIDATES FOR APPOINTMENT TO THE OHIO STATE UNIVERSITY BOARD OF TRUSTEES**

One student will be appointed to serve on The Ohio State University Board of Trustees in early 1991. ALL students who are in good academic standing, not on disciplinary probation and are residents of the state of Ohio are eligible to apply for this position. All appointees will be expected to maintain enrollment, good standing and residency during their term. As required by state law these are voluntary positions, so no salary can be offered to those appointed in exchange for their service.

A Screening committee will review the initial nominations and forward a select group of files to the Nominating committee by 8:00 A.M. on **February 11, 1991**. The Nominating committee will review the qualifications of these nominees, conduct interviews February 11 thru February 22, 1991, and will forward a slate of five candidates to the Governor of the State of Ohio by **March 4, 1991**. One of these five students will be appointed to the Board of Trustees by the Governor. Term of appointment will be for two years, beginning and ending in the spring. Students wishing to be considered for nomination must return their application and supporting material to their respective student government office prior to 4:00 P.M. on **January 25, 1991**.

**Undergraduate students:** submit their application and supporting material to the offices of The Undergraduate Student Government, Room 305, Ohio Union. For more information please call Michelle Morgan at 294-0045.

**Professional students:** mail their application and supporting material to The Interprofessional Council, % Steve Sloan, IPC President, Neil Hall, 1634 Neil Ave. Box 132, Columbus, OH 43210. For more information call Mark Slivka at 888-9780 or Steve Sloan 291-4217.

**Graduate students:** mail or bring their application and supporting material to The Council of Graduate Students, 055 Jones Tower, 101 Curl Drive, Columbus, OH, 43210. For more information call Betsy Newton at 292-8954 or 451-8092.

**NOTE:** To obtain more information about the university as well as the Board of Trustees, the following sources are suggested:

1. Talk with the Dean of your college.
2. Contact the Associate Provosts, Vice Presidents and/or Executive Directors of various offices (e.g. Minority Affairs, Human Relations, Personnel Services, etc.)
3. Research the University Archives located in Converse Hall for minutes from Board of Trustee meetings, articles from the Lantern and Columbus Dispatch, and the history of the Student Trustee position on the Board.
4. The Library Computer System (LCS) has an index of books on University boards and their responsibilities.

## APPLICATION FOR STUDENT TRUSTEE

NAME \_\_\_\_\_

DEGREE SOUGHT \_\_\_\_\_

LOCAL ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

HOME ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

SOCIAL SECURITY NUMBER \_\_\_\_\_

ARE YOU A CITIZEN OF THE STATE OF OHIO? \_\_\_\_\_

CURRENT G.P.A. \_\_\_\_\_

I certify that I am in good academic standing according to the regulations and standards of my enrollment unit and that I am not on any form of disciplinary probation. I waive my privacy rights under the family educational rights and privacy act and I authorize members of the student trustee screening and/or interview committee to verify with the university registrar my G.P.A., academic rank and standing, and that I am not on academic or disciplinary probation. If appointed to serve on The Ohio State University Board of Trustees I will make every reasonable effort to serve for the full duration of my term and I will conscientiously seek to serve the interests of the taxpayers of the State of Ohio, the University community and other relevant constituencies.

NAME (Print or type) \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

SOCIAL SECURITY NUMBER \_\_\_\_\_

**NOTE: PLEASE TURN IN ELEVEN COPIES OF YOUR TOTAL APPLICATION.**

**APPLICATION DEADLINE: 4:00 PM, JANUARY 25, 1991.**

PLEASE ADDRESS THE FOLLOWING SEVEN QUESTIONS (NUMBER YOUR RESPONSES).

1. DISCUSS WORK AND SERVICE EXPERIENCE RELEVANT TO YOUR CANDIDACY.
2. LIST SPECIAL TALENTS, ABILITIES, AND ATTRIBUTES WHICH MAKE YOU A STRONG CANDIDATE FOR THE POSITION OF STUDENT TRUSTEE, INCLUDING HONORS AND AWARDS.
3. DISCUSS PERSONAL AND/OR CAREER GOALS.
4. WHAT IS THE ROLE OF A TRUSTEE?
5. PLEASE DESCRIBE SOME MAJOR ISSUES OF CONCERN AT THIS UNIVERSITY.
6. AS A STUDENT TRUSTEE, HOW WOULD YOU WORK TO RESOLVE THESE ISSUES, INCLUDING STUDENT CONCERNS?
7. PLEASE INCLUDE ANY ADDITIONAL INFORMATION WHICH YOU FEEL WILL STRENGTHEN YOUR APPLICATION.

**TO SUPPORT YOUR APPLICATION SUBMIT A MINIMUM OF TWO LETTERS OF RECOMMENDATION.**

**APPENDIX XXXVIII**

**INSTRUCTION IN PLANT SCIENCE:  
EXCITING AND RELEVANT**

**Presented to the Agricultural Affairs Committee  
December 6, 1990  
(See page 636)**

### Instruction in Plant Science: Exciting and Relevant

In response to the need for improved science education at the elementary through high school level, and for more effective instruction of introductory plant science at the university level, the Department of Horticulture has initiated a program to promote the use of unique and exciting educational materials that may enhance student learning. These materials are based on a single group of plants, the Rapid Cycling Brassicas (RCB), which possess special attributes that make them ideal for instruction in science. These plants:

- \*have a short life cycle—one of the species flowers in 14 to 18 days and produces mature seed for the next generation in 35-40 days;
- \*are small and easy to grow;
- \*can reproduce at high densities (up to 2500 plants/m<sup>2</sup>) under fluorescent lighting in a classroom;
- \*can be pollinated with ease;
- \*have a wide range of morphological mutations (genetic markers);
- \*are safe, non-threatening; are related to important crops associated with good health (broccoli, cabbage, turnips);
- \*are inexpensive and readily available.

These attributes combine to create a unique instructional environment in which students learn biological principles through *hands on activities*, undertaking experiments of their own design. The focus is on *science as a process* and not as a set of facts to be memorized. The emphasis is on the excitement and importance of science in our daily lives.

The program consists of workshops for school teachers where they learn about these plants and development of new laboratory activities for appropriate university courses. The RCB are currently used in Horticulture undergraduate and graduate courses to demonstrate principles of plant growth and development, genetics, physiology, classification, and biotechnology.

This focused approach to science, utilizing a single live organism, also provides an opportunity to integrate biological concepts at all levels of organization: from the molecule in cell to the population of organisms in the environment.

Pablo Jourdan, Ph.D.  
Department of Horticulture



**APPENDIX XXXIX**

**OHIO STADIUM BLEACHER ADDITION**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 658)**

## **Request for Construction Bids**

### **Background**

#### **Ohio Stadium Bleacher Addition**

Phase I of this project will provide and install additional portable seating in the south end of the Ohio Stadium to increase seating capacity from 7,800 to 13,500. Bids will be for a five year lease.

Phase II of this project will construct all site work associated with bleacher installation, including additional paving, water and sewer connections, fencing, gates, and electrical service.

Funds for this project are available from the Department of Athletics. Phase I costs are estimated at \$683,100.00 for the first year and \$550,000.00 per year for years two through five of the lease period. Phase II construction costs are estimated at \$150,000.00, and the total estimated Phase II cost is \$180,000.00.

**APPENDIX XL**

**ALUMNI HOUSE ADDITION - FAWCETT CENTER;  
MEDICAL LOGISTICAL SERVICES FACILITY EXPANSION; AND  
WISEMAN HALL - MEDICAL RESEARCH FACILITY**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 659)**

## **Employment of Architects/Engineers and Request for Construction Bids**

### **Background**

#### **Alumni House Addition - Fawcett Center**

This project will provide a study of the space needs for The Ohio State University Alumni Association for the foreseeable future and the design and construction of an addition to the Fawcett Center for Tomorrow to meet the needs defined by the study. Design of the project will encompass both the existing Alumni Association space (9,575 square feet) and the addition (estimated at about 19,375 square feet) to provide a unified and integrated facility to meet the Association's needs.

The cost of the project will be funded by the Alumni Association. The building addition will be owned by the University, but there will be a long-term lease of the space to the Association to ensure the availability of the space to meet the Association's needs. Design and construction of the addition will be funded from gifts raised by the Association. Funds for the study (estimated at \$40,000.00) and promotional materials for gift solicitation currently are available from the Association. At this early stage, the construction costs are estimated to be approximately \$2,700,000.00, with an estimated total project cost of \$3,800,000.00.

#### **Medical Logistical Services Facility Expansion**

This project will construct a three floor addition of approximately 57,000 square feet to the existing Medical Logistical Facility and the renovation of approximately 10,000 square feet of space in Doan Hall. This space will house a Surgical Intensive Care Unit (SICU) which requires expanded space to provide effective care and emergency equipment. In addition, support space, including conference areas, satellite lab and pharmacy, physician and staff lockers and lounges, and other clinical support and storage areas also will be housed in the addition.

Funds for this project are available from University Hospitals. Construction costs are estimated at \$7,900,000.00, and the total estimated project cost is \$10,017,600.00.

#### **Wiseman Hall - Medical Research Facility**

This project will construct additions of approximately 80,000 square feet to the existing Wiseman Hall. The first phase will add approximately 40,000 square feet of space to the west and possibly on top of the existing building with a separate identity and entrance. The facility will house generic research laboratories and related support facilities, designed to provide the greatest flexibility for future needs of the College of Medicine. The space is intended primarily for the Clinical Departments and several other departments within the College for disciplines such as Molecular Biology, Physiology, Cell Chemistry, and Whole Animal Physiology and Pharmacology. A future second phase is intended to add another 40,000 square feet of space.

Funds for phase one of this project in the amount of \$6,000,000.00 will be provided from contributions pledged by the Central Practice Groups of the Clinical Departments of the College of Medicine, with construction costs estimated at \$4,925,000.00. The estimated cost for phase two is \$7,000,000.00, with construction costs estimated at \$5,500,000.00. Funds for the second phase also would be provided through contributions from the Central Practice Groups.

**APPENDIX XLI**

**UTILITY MASTER PLAN**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 660)**

## **Employment of Architects/Engineers**

### **Background**

#### **Utility Master Plan**

This project is to engage an engineering firm to evaluate all campus utility systems and propose an orderly, cost effective capital plan to ensure availability of appropriate utility services to the campus for the next twenty years. Utility services to be studied include electric, heating, cooling, water, sewer, natural gas, compressed air, communications cable space, and solid waste.

Funds for this project are available from the Department of Physical Facilities. No construction costs are included at this stage of the project. The total Utility Master Plan costs, including tests and measurements, are estimated at \$450,000.00.

**APPENDIX XLII**

**CAMPUS ENERGY CONTROLS (HVAC SYSTEMS);  
CHILLER REPLACEMENTS (CIVIL AND AERONAUTICAL  
ENGINEERING BUILDING);  
OARDC SUPPORT FACILITIES - BARN REPLACEMENT;  
OARDC - FISHER AUDITORIUM ROOF AND  
OARDC PHYSICAL PLANT BUILDING ROOF; AND  
WINDOW REPLACEMENTS (ROBINSON LABORATORY AND COCKINS HALL)**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 661)**

**Report of Award of Contracts and  
Establishment of Contingency Funds**

**Background**

(\*Recommended alternates included in these figures.)

**Campus Energy Controls (HVAC Systems)**

This project continues the work begun in previous biennia to provide better environmental control and reduce energy consumption by converting the control functions for HVAC equipment to direct digital control. The total project cost is \$161,950; funding is provided from Senate Bill 336. The estimated completion date is August 1991. The contract awarded is as follows:

Temperature Control Contract:	Control Solutions, Inc., Lebanon, Ohio
Amount:	\$149,026.00 *
Estimate:	\$288,000.00 *
Total All Contracts:	\$149,026.00 *
Contingency Allowance:	\$ 11,924.00 (8% of construction cost)
Total Project Cost:	\$161,950.00



December 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

CAMPUS ENERGY CONTROLS

Tabulation of Bids

Bids received by The Ohio State University on September 6, 1990. Bids opened by Tamara Bell and tabulated by Ray Yansick. Awards indicated with an "A".

<u>Temperature Control Contract</u>	<u>Estimate</u>	<u>Control Solutions *</u>	<u>Landis/Gyr</u>	<u>Riley Assoc.</u>
Base Bid	\$204,000.00	\$109,113.00	\$129,202.00	\$138,000.00
Alt. TC-1 (Cunz Hall)	48,000.00	20,807.00	23,140.00	23,100.00
Alt. TC-2 (Univ. Hall)	38,000.00	19,106.00	23,477.00	18,700.00
Total Temp. Control Contract	\$288,000.00	\$149,026.00	\$175,819.00	\$179,800.00

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Chiller Replacements (Civil and Aeronautical Engineering Building)

This project will replace old absorption/centrifugal chillers with new energy efficient centrifugal units with associated piping, pumps and electrical service. The total project cost is \$120,600.00; funding is provided from Senate Bill 336. The estimated completion date is July 1991. The contracts awarded are as follows:

HVAC Contract:	Julian Speer, Columbus, Ohio
Amount:	\$ 97,500.00
Estimate:	\$110,500.00
Electric Contract:	Claggett Electric, Columbus, Ohio
Amount:	\$ 13,238.00
Estimate:	\$ 13,700.00
Total All Contracts:	\$110,738.00
Contingency Allowance:	\$ 8,862.00 (8% of construction cost)
Total Project Cost:	\$120,600.00

December 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

BOLZ HALL - CHILLER REPLACEMENT

Tabulation of Bids

Bids received by The Ohio State University on September 12, 1990. Bids opened by Tamara Bell and tabulated by Ray Yansick. Awards indicated with an "A".

<u>HVAC Contract</u>	<u>Estimate</u>	<u>Speer *</u>	<u>Crosen</u>	<u>Farber</u>
Base Bid	\$110,500.00	\$97,500.00	\$100,500.00	\$104,700.00
Total HVAC Contract	\$110,500.00	\$97,500.00	\$100,500.00	\$104,700.00
 <u>HVAC Contract (Continued)</u>	 <u>J.A. Guy</u>	 <u>Bruner</u>	 <u>Sauer</u>	 <u>Swain</u>
Base Bid	\$106,700.00	\$107,360.00	\$106,600.00	\$114,800.00
Total HVAC Contract	\$106,700.00	\$107,360.00	\$106,600.00	\$114,800.00
 <u>Electric Contract</u>	 <u>Estimate</u>	 <u>Clegggett *</u>	 <u>Electric Power</u>	 <u>Now Electric</u>
Base Bid	\$13,700.00	\$13,238.00	\$14,530.00	\$17,994.00
Total Electric Contract	\$13,700.00	\$13,238.00	\$14,530.00	\$17,994.00

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

OARDC Support Facilities - Barn Replacement

This project involves the replacement of a two-story bank barn, attached sheds, and contents lost in a barn fire at the OARDC property in Wooster, Ohio, in November 1985. Phase I of the project constructed a replacement barn and Phase II constructed a replacement silo. Phase III will construct a farm equipment and hay storage building. The total project cost is \$500,000.00, of which Phase III totals \$120,000.00; funding is provided from insurance proceeds (\$490,000.00) and OARDC funds (\$10,000.00). The estimated completion date is June 1991. The contracts awarded for Phase III are as follows:

General Contract:	Kelco Builders, Crestline, Ohio
Amount:	\$ 98,341.00 *
Estimate:	\$116,000.00 *
Electric Contract:	Abbott Electric, Canton, Ohio
Amount:	\$ 7,705.00
Estimate:	\$ 12,000.00
Total All Contracts:	\$106,046.00 *
Contingency Allowance:	\$ 8,484.00 (8% of construction cost)
Total Phase III Project Cost:	\$120,000.00 *

December 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

OARDC - SUPPORT SERVICES - BARN REPLACEMENT, PHASE III

Tabulation of Bids

Bids received by The Ohio State University on September 5, 1990. Bids opened by Tamara Bell and tabulated by Ray Yansolk. Awards indicated with an "\*\*".

<u>General Contract</u>	<u>Estimate</u>	<u>Keigo *</u>	<u>CCM</u>	<u>Miller</u>
Base Bid	\$107,800.00	\$92,723.00	\$92,257.00	\$99,150.00
Alt. G-1 (Corn Crib)	8,400.00	5,618.00	8,618.00	5,837.00
Total General Contract	\$116,000.00	\$98,341.00	\$100,875.00	\$104,987.00
 General Contract (Continued)	 <u>Finnegan</u>	 <u>Rietschlin</u>		
Base Bid	\$99,980.00	\$102,400.00		
Alt. G-1 (Corn Crib)	8,500.00	8,200.00		
Total General Contract	\$108,480.00	\$110,600.00		
 <u>Electric Contract</u>	 <u>Estimate</u>	 <u>Abbott *</u>	 <u>Lotus</u>	 <u>Wooster</u>
Base Bid	\$12,000.00	\$7,705.00	\$7,775.31	\$8,890.00
Total Electric Contract	\$12,000.00	\$7,705.00	\$7,775.31	\$8,890.00
 Electric Contract (Continued)	 <u>Famer</u>			
Base Bid	\$10,500.00			
Total Electric Contract	\$10,500.00			

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

OARDC - Fisher Auditorium Roof and OARDC - Physical Plant Building Roof

This project will install approximately 28,000 square feet of built-up roofing on the lower roof area of the Fisher Auditorium and install approximately 24,000 square feet of built-up roofing on the Physical Plant Building. Replacement of wet insulation and reflashings of parapet walls are included for both buildings. The total project cost is \$193,560.00; funding is provided from House Bill 808. The estimated completion date is July 1991. The contracts awarded are as follows:

General Contract (Fisher Auditorium):	Hicks Roofing, New Philadelphia, Ohio
Amount:	\$ 88,840.00
Estimate:	\$144,000.00
General Contract (Physical Plant):	Franklin Roofing, Inc., Painesville, Ohio
Amount:	\$ 89,000.00
Estimate:	\$123,500.00
Total All Contracts:	\$177,840.00
Contingency Allowance:	\$ 14,220.00 (8% of construction cost)
Total Project Cost:	\$193,560.00

December 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

OARDC - FISHER AUDITORIUM/PHYSICAL PLANT ROOF REPLACEMENT

Tabulation of Bids

Bids received by The Ohio State University on September 18, 1990. Bids opened by Tamara Bell and tabulated by Ray Yanecek. Awards indicated with an "\*".

<u>Fisher Auditorium</u>				
<u>General Contract</u>	<u>Estimate</u>	<u>Hicks *</u>	<u>Franklin</u>	<u>Simon</u>
Base Bid	\$144,000.00	\$88,840.00	\$90,900.00	\$102,005.00
Total General Contract	\$144,000.00	\$88,840.00	\$90,900.00	\$102,005.00
General Contract (Continued)	<u>Manning</u>	<u>Artec</u>	<u>Both</u>	<u>Mid American</u>
Base Bid	\$103,576.00	\$104,497.00	\$109,515.00	\$127,000.00
Total General Contract	\$103,576.00	\$104,497.00	\$109,515.00	\$127,000.00
<u>Physical Plant</u>				
<u>General Contract</u>	<u>Estimate</u>	<u>Franklin *</u>	<u>Artec</u>	<u>Hicks</u>
Base Bid	\$123,500.00	\$89,000.00	\$98,478.00	\$98,720.00
Total General Contract	\$123,500.00	\$89,000.00	\$98,478.00	\$98,720.00
General Contract (Continued)	<u>Simon</u>	<u>Manning</u>	<u>Roofing, Ctr.</u>	<u>Both</u>
Base Bid	\$103,322.00	\$106,300.00	\$108,000.00	\$111,000.00
Total General Contract	\$103,322.00	\$106,300.00	\$108,000.00	\$111,000.00
General Contract (Continued)	<u>Mid American</u>	<u>Ahner</u>		
Base Bid	\$113,000.00	\$122,715.00		
Total General Contract	\$113,000.00	\$122,715.00		

**Report of Award of Contracts and  
Establishment of Contingency Funds (contd)**

Background (contd)

Window Replacements (Robinson Laboratory and Cockins Hall)

This project will reduce energy losses and improve building comfort by replacing deteriorated window units. The total project cost \$252,555.00. Funding is provided by Senate Bill 336 (\$245,000.00) and Physical Facilities (\$7,555.00). The estimated completion date is April 1991. The contract awarded is as follows:

General Contract:	M. Rieser & Associates, Inc., Columbus, Ohio
Amount:	\$239,575.00 *
Estimate:	\$276,000.00 *
Total All Contracts:	\$239,575.00 *
Contingency Allowance:	\$ 11,980.00 (5% of construction cost)
Total Project Cost:	\$252,555.00 *



December 6, 1990

REPORT OF AWARD OF CONTRACTS AND ESTABLISHMENT OF CONTINGENCY FUNDS

WINDOW REPLACEMENT - ROBINSON LABORATORY AND COCKINS HALL

Tabulation of Bids

Bids received by The Ohio State University on September 25, 1990. Bids opened by Tamara Bell and tabulated by Ray Yanscik. Awards indicated with an "A".

<u>General Contract</u>	<u>Estimate</u>	<u>Fieser *</u>	<u>Gribben</u>
Base Bid	\$240,000.00	\$200,970.00	\$207,870.00
Alt. G-1 (Additional Windows)	18,000.00	18,880.00	21,100.00
Alt. G-2 (Skylights)	20,000.00	19,725.00	25,623.00
Total General Contract	\$278,000.00	\$239,575.00	\$254,593.00

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**APPENDIX XLIII**

**67.26 ACRES IN GALLIA COUNTY, OHIO**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 662)**

## **Sale of Real Property**

### **Background**

#### **67.26 Acres in Gallia County, Ohio**

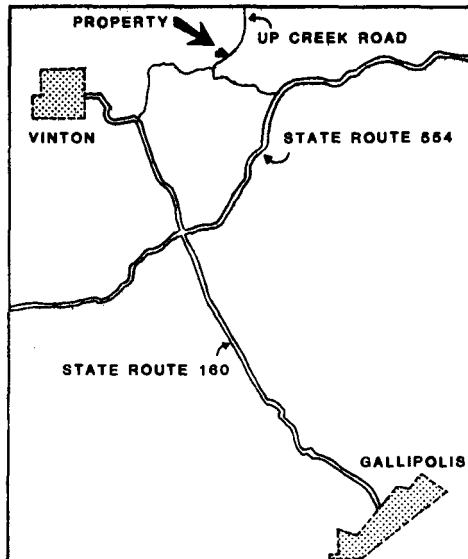
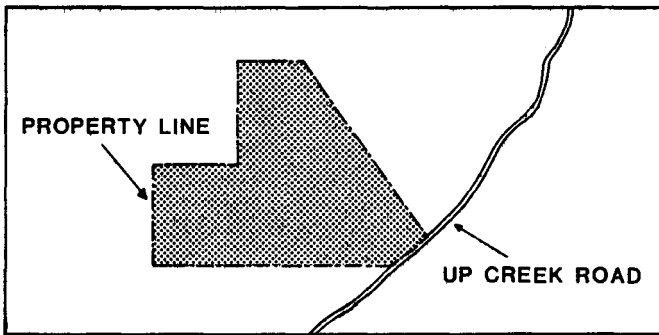
The property consists of approximately 67 acres of unimproved, hilly woodland located on Upcreek Road in Morgan Township of Gallia County, Ohio, about four miles east of the City of Vinton. The property includes all mineral rights.

The property, titled in the Board of Trustees, was a gift to the University in December 1986, from Vaughn and Frieda Siegenthaler of West Liberty, Ohio. Under the terms of the gift, the property is to be sold, with the net proceeds being used to support the College of Agriculture.

An appraisal by Arthur Nibert, ASA, of Gallipolis, done in November 1990, valued the property at \$17,000.00. Allen C. Wood of Gallipolis has offered to purchase the property for that amount.

# SALE OF REAL PROPERTY

67.26 ACRES IN GALLIA COUNTY OHIO



NO TRUE SCALE

OFFICE OF BUSINESS AND ADMINISTRATION  
DECEMBER 6, 1990

Page 718 Blank

**APPENDIX XLIV**

**92.6 ACRES ON HARRISBURG PIKE  
COLUMBUS, OHIO**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 663)**

## **Sale of Real Property**

### **Background**

#### **92.6 Acres on Harrisburg Pike Columbus, Ohio**

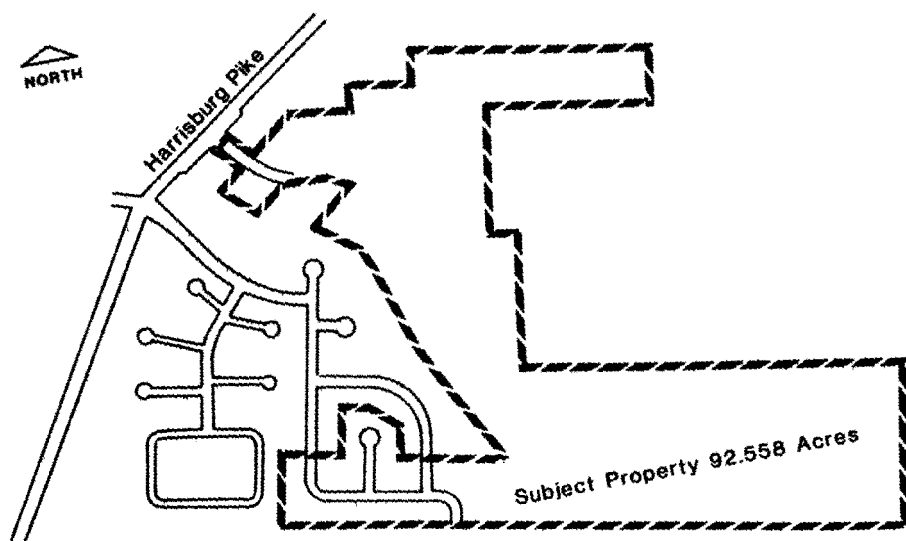
The property is located in southwest Columbus on the east side of Harrisburg Pike near the intersection of Briggs Road. The property consists of approximately 92.6 acres of undeveloped land serviced by all public utilities. The property has mixed zoning, with small amounts zoned commercial and multi-family and the bulk of the acreage being zoned for single-family development.

The property was acquired in December 1986, by a gift from Mr. Leonard J. Immke, Jr., of Columbus, Ohio. Under the terms of the gift, the property was to be sold, and the gift was to be used to support the Leonard J. Immke, Jr., and Charlotte L. Immke Chair in Cancer Research to support the work of a distinguished researcher in The Arthur G. James Cancer Hospital and Research Institute.

An MAI appraisal done in August 1990, by Wilhelm and Associates valued the property at \$278,000.00. Foxboro Communities, Inc., of Columbus, Ohio, has offered to purchase the entire property at a price of \$300,000.00.



Proposed Sale of Property on  
Harrisburg Pike, Columbus, Ohio



No True Scale

Office of Business and Administration  
December 6, 1990

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**APPENDIX XLV**

**GUIDELINES FOR IMPLEMENTATION OF BUDGET CONTINGENCY PLANS**

**Adopted by the Board of Trustees, December 6, 1990  
(See page 668)**



Vice President for Finance

381 Bricker Hall  
190 North Oval Mall  
Columbus, OH 43210-1359  
Phone 614-292-9232

**SUBJECT:** Guidelines for Implementation  
of Budget Contingency Plans

**DATE:** December 6, 1990

**FROM:** William J. Shkurty *William J. Shkurty*  
James L. Nichols *James L. Nichols*

**TO:** Deans and Vice Presidents

The purpose of this memo is to communicate the University's response to the projected state budget deficit. On November 7th Governor Celeste announced that the state of Ohio faced an estimated budget shortfall of \$263 million for the period ending June 30, 1991. He reduced the budgets for departments under his control by 4%. In addition, he proposed a series of actions to the legislature which included a possible reduction in state support to higher education. If the legislature chooses to reduce appropriations, The Ohio State University will lose approximately \$3.0 million in revenues for each one percent reduction in the current fiscal year.

Although it is not possible at this time to know exactly what the legislature might do, it is important to begin to prepare now. Consequently, the President has directed us to implement selective hiring controls, effective immediately. These controls apply to all new and vacant non-instructional positions as outlined below. They will remain in effect until the University knows for certain what state funding will be for the remainder of this fiscal year.

The following guidelines will be used to implement the hiring controls:

Instructional positions - Because of the critical role of teaching and research to the mission of this university, regular and auxiliary faculty positions are not affected by the hiring controls at this time.

Non-instructional positions - All postings for temporary, vacant, or new Administrative and Professional and Classified Civil Service positions, as well as offers made after the date of this letter, must be approved by the Office of Personnel Services. Only positions which are required to provide essential University services should be submitted. Each position will be reviewed on an individual basis by the Office of Personnel Services upon receipt of a written request from the appropriate Vice President. Specific exemptions are granted for the following staff positions:

- Patient care personnel at University Hospitals.
- Individuals fully funded on externally sponsored research grants.
- Public safety personnel and personnel performing functions specifically required by law.
- Personnel who provide direct services for revenue producing units.

It should be noted that use of temporary personnel or contract services is not an acceptable alternative to filling vacant positions.

In addition to the personnel actions identified above, we are asking each Dean and Vice President to carefully monitor expenditures for all other discretionary items. Only expenditures considered as highest priority should be made at this time.

While these specific guidelines currently apply only to fiscal year 1990-91, there is considerable uncertainty as to the impact of the current state budget shortfall on funding for the next biennium. More importantly, there is a continuing need for the University to reallocate and reevaluate resources to meet changing needs. Therefore, the President has instructed us to work with you to develop options for some form of reallocation for fiscal year 1991-92. This means it is important that you begin identifying alternatives for permanent cost reductions. This will also provide you with the flexibility to manage additional fiscal constraints should the state budget picture continue to deteriorate.

If you have questions about the details of the hiring controls, please contact the Office of Personnel Services at 292-8993. For questions about other aspects of this memorandum, please contact your analyst in the Office of Financial Management at 292-8981.

Given the uncertainty of the state and national economic conditions, it may be necessary to further modify hiring and budget commitments during this fiscal year. We recognize the difficulties this uncertainty presents in managing your programs. We will continue to monitor the situation carefully and will be providing updates on further developments as they evolve. Thank you for your assistance in implementing these guidelines.

c: E. Gordon Gee

# INDEX TO OFFICERS AND EMPLOYEES

1990-91

## Volume 1

A		E	
Advani, Sunder H. ....	13	Elam, John W. ....	377
Allison, Clyde C. ....	214		
Andrews, Julia F. ....	379	F	
Arthur, John E. ....	204	Falkenthal, Scott ....	203
Asher, Herbert B. ....	222	Feller, Dennis R. ....	13
		Ferrar, Joseph C. ....	14
B		Fleisher, Belton M. ....	14
Barone, John J. ....	197	Forster, David L. ....	517
Baughman, James W. ....	380	Fraley, R. Reed ....	551
Beard, Ruth M. ....	627		
Benedict, Michael L. ....	378	G	
Birckbichler, Diane W. ....	378	Gabriel, Paul E. ....	14
Boal, William M. ....	13	Gee, E. Gordon ....	109,159,194,223, 376,492,499,618,636
Boutselis, John G. ....	16	Gersten, John ....	627
Bowser, Shirley D. ....	75,110,194,425	Gilbert, Gareth E. ....	17
Bradigan, Pamela S. ....	202	Glover, Donald D., Sr. ....	377
Bramlage, Lawrence R. ....	14	Goodman, Joseph H. ....	16
Byg, Delbert M. ....	215	Gregory, Timothy E. ....	624
		Griffing, Penelope ....	17
C		Grossie, James ....	203
Calvin, Leona J. ....	216	Grossman, Neil J. ....	16
Casto, Deborah E. ....	195,225,368,389, 500,525,621,636	Growick, Bruce S. ....	519
Chapman, Paula A. ....	203		
Chen, Tien Y. ....	16	H	
Chen, Xiao-Mei ....	518	Hamilton, Marsha J. ....	625
Clausen, William E. ....	17	Hanna, Sherman D. ....	13
Collins, Elmore T. ....	378	Havlicek, Joseph, Jr. ....	624
Coulson, Frank T. ....	625	Heer, Clifford V. ....	204
Coury, Daniel L. ....	16	Herrick, John H. ....	216
Creager, Clara ....	17	Higgins, Jon L. ....	204
Creedon, Pamela J. ....	16	Himmelfarb, Harold S. ....	203
Cruz, Josue ....	15	Horn, David J. ....	12
Culicover, Peter W. ....	517,519	Howie, Michael B. ....	16
Cunningham, Michael A. ....	15	Hsu, Hsiung ....	17
		Hubbell, John A. ....	13
D		Hughes, Janis M. ....	204
Daly, Robert F. ....	520	Hunker, Henry L. ....	13
Davis, Michael D. ....	624	Huntington, Susan L. ....	624
Davis, Richard B. ....	16	Huston, Keith A. ....	379
DeLucia, Frank C. ....	377	Hutchinson, Frederick E. ....	6,424,499,518
Delzell, Judith K. ....	15		
Dick, Warren A. ....	624	I	
Doebelin, Ernest O. ....	16	Ihrig, Weldon E. ....	109
Drier, Harry N. ....	379		
Dunlevy, Crystal L. ....	203	J	
Dyke, Wade T. ....	519		

Jackson, Michel T. T. ....	14
Jacoby, Ben E. ....	217
James, Arthur G. ....	68
Jennings, Edward H. ....	13
Johnson, Lee F. ....	202

## K

Kahn, Robert M. ....	378
Kaufman, James C. ....	202
Kaw, Marita ....	519
Kessler, John W. ....	506,623
Kilty, Keith M. ....	203
Kim, Moon H. ....	12
Kindred, Michael J. ....	625
King, John E. ....	625
Kubayanda, Josaphat ....	377

## L

Lafyatis, Paul G. ....	377
Lamb, David R. ....	624
Lamp, Benson J. ....	379
Lee, Ken ....	202
Levin, Eve R. ....	378
Levisi, Margarita M. ....	624
Lima, John J. ....	379,625
Lockridge, Ernest H. ....	624
Long, Donna R. ....	15

## M

Machor, James L. ....	13
Mager, James J. ....	499
Marsh, William L. ....	16
Martin, James H. ....	518
Maurer, Steven D. ....	75,618
McAfee, Natalia B. ....	17
McDaniel, William T. ....	377
Mefford, Dwain S. ....	519
Merget, Astrid E. ....	12
Miglets, Andrew W., Jr. ....	17
Miller, Steven L. ....	15
Mora, Victor J. ....	624
Mowoe, Isaac J. ....	518
Mueller, Charles F. ....	202
Muir, Forest ....	12

## N

Nagi, Saad Z. ....	204
Nemeth, Zoltan A. ....	518
Neumann, Anne W. ....	519
Newton, William A. ....	68

## O

O'Higgins, Dolores M. ....	378
Ogle, Crichton L. ....	378
Orlansky, Michael D. ....	203
Overholt, Milton W. ....	629
Ozkan, Umit S. ....	204

## P

Paige, Sophia L. ....	70,218,381,521,630
Perkins, Robert L. ....	17
Pippin, William E. ....	12
Pitzer, Russell M. ....	624
Platt, Rosemary D. ....	624
Proano, Franklin H. ....	625

## Q

Quinn, Charles J. ....	378
Quinn, Shelley F. ....	378

## R

Raphael, Linda S. ....	378
Ray-Chaudhuri, Dijen K. ....	377
Redmond, Robert F. ....	377
Reed, Marilyn M. ....	218
Regnier, Emilie E. ....	519
Reid, Alan W. ....	378
Rennebohm, Robert M. ....	204
Reuning, Richard H. ....	13
Riedl, John O. ....	624
Rollins, Arline M. ....	17
Romanowski, Thomas A. ....	519
Rudavsky, Tamar ....	202
Rugaleva, Anelya E. ....	625
Rund, Douglas A. ....	12
Ryan, Robert M. ....	204

## S

Sagaria, Mary Ann Danowits ....	203
Saunders, William H. ....	17
Schmidt, Glen H. ....	518
Schneiter, Lucy J. ....	17
Scott, Madison H. ....	17,283,421,518
Sevel, Francine ....	14
Sherer, George ....	204
Shipman, Morgan E. ....	203
Shulman, Harvey G. ....	14
Shumate, Alex ....	196,200
Smith, Conrad G. ....	379
Smith, George L., Jr. ....	13
Smith, Malcolm C. ....	203
Soter, Anna O. ....	378
Spillman, Russell J. ....	632
Stein, Roy A. ....	519
Stephens, Ray G. ....	15



Stewart, Mac A .....	12
Stewart, Maude A. ....	380
Stewart, Philip D. ....	14,204
Stouraitis, Athanasios G. ....	203
Sullivan, Louis W. ....	68
Sweeney, Thomas L. ....	501

## T

Taghaboni, Fataneh .....	14
Tanquist, Robert A. ....	204
Tauman, Yair .....	14
Teaford, Hamilton J. ....	2-4,197,199,369- 374,502-506,622
Tonnies, David A. ....	72,389
Turner, James C. ....	379

## W

Waller, Mary K. ....	16
Warfield, Fanchon .....	69
Way, Douglas S. ....	13
Webber, Sabra J. ....	378
Wilkie, Neil M. ....	376
Williams, David D. ....	15
Wong, Sia K. ....	14
Woodburn, Gilbert W. ....	629

## Z

Zaharlick, Annmarie A. ....	519
Zavotka, Susan L. ....	15
Zwicky, Arnold M. ....	379,519

# GENERAL INDEX

1990-1991 Minutes

## Volume 1

### A

Abbott Electric, Canton, OH .....	661,708
Abbott Laboratories, Abbott Park, IL .....	646
Abramowitz, Irving, Memorial Professorship (The) .....	510
Abramowitz, Irving, Memorial Professorship Fund (The) .....	510
Academic Affairs Committee Report .....	6,200,375,507,623
Adria Laboratories, Columbus, OH .....	88
Adria Laboratories, Dublin, OH .....	266
Advantage Electric, Columbus, OH .....	105,153, 280,340
Africanized Honey Bees - "Killer Bees", Report on .....	225,323
Ag Situation in Ohio - 1990, Report on .....	75
Agricultural Affairs Committee Report .....	75,225,321,323, 389,449,525,636
Agricultural Management Systems Evaluation Area Project (The) .....	282,357
Agriculture Buildings Lab Renovations .....	418,459
Agriculture, Department of, Washington, DC .....	84
Agriculture, Department of, Forest Service, Berkeley, CA .....	400
Agriculture, Department of, Forest Service, Riverside, CA .....	534
Agriculture, Department of, Office of International Cooperation and Development, Washington, DC .....	400,401
Agriculture, Department of, Science and Education, Beltsville, MD .....	397,644
Agriculture, Department of, Science and Education, Peoria, IL .....	237,398,644
Agriculture, Department of, Science and Education, Washington, DC .....	79,81,83,230, 232,236,238,256,259, 261,395,530,531,533,535
Air Force, Department of the, Air Force Systems Command, Bolling Air Force Base, DC .....	393,394, 398,533,641,642
Air Force, Department of the, Air Force Systems Command, Kirtland Air Force Base, NM .....	262
Air Force, Department of the, Air Force Systems Command, Wright-Patterson Air Force Base, OH .....	83,235
Alford, Mary E., Cancer Research Endowment Fund (The) .....	275
Alumni House Addition - Fawcett Center .....	659,699
American Cancer Society, Atlanta, GA .....	243,244,267,404
American Cancer Society, New York, NY .....	90,243
American Cancer Society, Ohio Division, Inc., Dublin, OH .....	405
American Chemical Society, Washington, DC .....	248
American College of Clinical Pharmacy Research Institute, Kansas City, MO .....	90
American College of Obstetricians and Gynecologists, Philadelphia, PA .....	270,406
American Diabetes Association, Ohio Affiliate, Inc., Worthington, OH .....	405,406,539,649
American Federation for Aging Research, Inc., New York, NY .....	268

American Fund for Dental Health, Chicago, IL .....	90
American Heart Association, Dallas, TX .....	89,268
American Heart Association, Ohio Affiliate, Inc., Columbus, OH .....	245,246
American Institute for Cancer Research, Washington, DC .....	247,405
American Lung Association, New York, NY .....	244
American Lung Association of Ohio, Columbus, OH .....	246,247
American Nurses' Foundation, Inc., Washington, DC .....	650
American Occupational Therapy Foundation, Rockville, MD .....	406
American Otological Society, Inc., Minneapolis, MN .....	268
American Society of Mechanical Engineers, New York, NY .....	652
AmeriFlora '92 Biocontainment Facility .....	280,340
Amoco Chemical Company, Chicago, IL .....	272
Animal Science Building - Rooftop Chiller Replacement .....	418,461
Apple Computer Inc., Cupertino, CA .....	645
Applied R & D, Olmsted Falls, OH .....	242,647
Appointment, Letter of .....	109,159
Arizona Conservation Projects, Inc., Tucson, AZ .....	92
Army, Department of the, Army Corps of Engineers, Huntsville, AL .....	238,400
Army, Department of the, Army Materiel Command, Aberdeen Proving Ground, MD .....	263
Army, Department of the, Army Materiel Command, Adelphi, MD .....	397
Army, Department of the, Army Research Office, Research Triangle Park, NC .....	394
Aronoff, Stanley J. (Honorary Degree) .....	513
Arps Hall - Masonry Improvements .....	418,460
Arthritis Foundation - Central Ohio Chapter, Columbus, OH .....	269
Arts Midwest, Minneapolis, MN .....	248
Association of Performing Arts Presenters, Washington, DC .....	248
AT&T Network System, Columbus, OH .....	407
ATI - Apple Creek Farm Improvements .....	419,469
ATI - Halterman Hall Renovation .....	419,469
ATI - Horse and Farm Management Facility .....	418,456
ATI - Miscellaneous Improvements .....	419,469
ATI - Skou Hall Renovation .....	419,469
Augustana College, Rock Island, IL .....	244
Authority, Designation of Appointing, and Transfer of Authority for Classification Administration .....	512
Authorization for Designated Officials to Buy, Sell, Assign and Transfer Securities .....	5
Authorization of the Execution of Standby Bond Purchase Agreements Relating to Variable Rate Demand General Receipts Bonds Series 1985 B and Series 1986 B of The Ohio State University .....	664
Ayurveda, Maharishi Foundation, Lancaster, MA .....	246,538

## B

Baas, Herbert F., Memorial Award in Agricultural Engineering (The) .....	96
Baker Systems Engineering Building - Sealant Replacement .....	418,461
BancOhio National Bank Scholarship Endowment Fund .....	542
Barnes, Eli and Sharon, Endowment Fund (The) .....	98
Bartels, Robert, Fellowship for Master of Business Administration Fund (The) .....	252,545
Bartels, Robert, Fellowship in Marketing Fund (The) .....	251,544

Bartels, Robert, Fund for College Development (The) .....	250
Bartels, Robert, Graduate Fellowship in Business Fund (The) .....	252,546
Bartels, Robert, Graduate Fellowship in International Business Fund (The) .....	253,547
Bartels, Robert, Scholarship Fund for Study Abroad .....	253,547
Bartels, Robert, Undergraduate Scholarship Fund (The) .....	254
Basch, Gustavus and Sidney L., Memorial Fund (The) .....	273
Battelle Memorial Institute, Columbus, OH .....	250,651
Battelle Memorial Institute, Richland, WA .....	246
Beecham Laboratories, Bristol, TN .....	646
Bevis, Rightmire, and Scott Halls - Structural System Improvements .....	418,463
Biological Sciences Building Remodeling .....	418,458
Biotechnology Center Improvements - Kottman Hall .....	104,149
Blvona, Inc., Gary, IN .....	536
Boatmen's Trust Company .....	374,505
Boston University, Boston, MA .....	650
Bowling Green State University, Bowling Green, OH .....	270,406
Bradshaw, Lilyan B., Scholarship Fund (The) .....	544
Brady, Nyle C. (Honorary Degree) .....	513
Bridge and Street Improvements (Fawcett Center for Tomorrow Loop Road) .....	280,340,344
Brigham and Women's Hospital, Boston, MA .....	646
Bromley, D. Allan (Honorary Degree) .....	514
Brown Hall Roof Replacement .....	420,483
Brown, Iola Keller, Scholarship Fund (The) .....	255
Bruny, Lydia D., Memorial Scholarship Fund (The) .....	276
Budget - 1990-91 Current Funds, Quarterly Report .....	526
Burroughs Wellcome Company, Research Triangle Park, NC .....	242
Burton, Benetta (Student) .....	70,522-
	525,632-635

## C

Calgene, Davis, CA .....	403
California Institute of Technology, Pasadena, CA .....	90
California, University of, Livermore, CA .....	247,648
Campbell Hall Lab Rehabilitation (Phase II) .....	418,459
Campus Energy Controls (HVAC Systems) .....	661,704
Cancer Therapy and Research Foundation of South Texas, San Antonio, TX .....	91,92,247,269,405
Capital University, Columbus, OH .....	404
Carnegie Corporation of New York, New York, NY .....	90
Carnegie Museum of Natural History (The), Pittsburgh, PA .....	538
Cash and Investments Quarterly Report, The Ohio State University .....	622,689
Chicago Corporation (The) .....	505
Chicago, University of, Argonne, IL .....	243,267
Children's Hospital Research Foundation, Columbus, OH .....	91,539,648,649
Chiller Replacements (Civil and Aeronautical Engineering Building) .....	661,706
Christen, Fred, & Sons, Toledo, OH .....	483
CIBA-GEIGY Corporation, Summit, NJ .....	266,536
Cincinnati, University of, Cincinnati, OH .....	649
Claggett Electric, Columbus, OH .....	104,151,661,706
Clark, Michael L. (Student) .....	71,523-525
Cleveland Clinic Foundation and The Ohio State University - Partnership Between .....	197

Cleveland Foundation (The), Cleveland, OH .....	404
Clinical Magnetic Resonance Imaging Facility (Phase II) .....	416,453
Columbia Research Laboratories, New York, NY .....	241,646
Columbus Chapter of Links, Inc. Scholarship Fund (The) .....	96
Columbus Foundation (The), Columbus, OH .....	405
Columbus Health Department, Columbus, OH .....	404
Columbus Human Services Department, Columbus, OH .....	267
Columbus Southern Power Company .....	106,107,155,157
Columbus State Community College, Columbus, OH .....	269
Columbus Zoo, Powell, OH .....	650
Commerce, Department of, National Oceanic and Atmospheric Administration, Rockville, MD .....	639
Commerce, Department of, National Oceanic and Atmospheric Administration, Silver Spring, MD .....	641, 643
Committee on Institutional Cooperation, Champaign, IL .....	90
Communications Lab Demolition .....	418,459
Compact Radar Cross Section Measurement Ranges Research and Development Consortium .....	541
Comparative Studies in the Humanities, Center for .....	507
Comparative Studies in the Humanities, Division of .....	507
Control Solutions, Inc., Lebanon, OH .....	661,704
Converse Hall Remodeling .....	418,464
Council for Tobacco Research - U.S.A., Inc., New York, NY .....	89,243
CPC Group Headquarters, Warren, MI .....	407
Cramer, Dr. Leslie Kasdorf, Endowed Memorial Scholarship Fund .....	655
Crisafi-Monte Endowment Fund (The) .....	542
Crist, Janet and Grace Souders, Music Scholarship Fund (The) .....	410
Critical Difference for Women Minority Women Scholars' Career Support Fund (The) .....	414
Critical Difference for Women Re-Entry Scholarship Fund (The) .....	414
Croson, J. A., Co., Columbus, OH .....	485
Croswell Road, 285, Columbus, OH .....	108
Cunningham, Dr. William D. and Anna R., Fund (The) .....	653
Cystic Fibrosis Foundation, Bethesda, MD .....	647

## D

Dad's Products Company, Inc., Meadville, PA .....	646
Daimler Benz, Germany .....	272
Dairy Science Chair Fund in Lactational Physiology and Mammary Health (The) .....	255
Dairy Science Chair in Lactational Physiology and Mammary Health (The) .....	255
Dakan Hall and Robinson Laboratory - Elevator Upgrade .....	418,463
Dartmouth College, Hanover, NH .....	539
Deans' Meeting, Washington, DC .....	6
Decker Construction, Columbus, OH .....	280,344
Degree Program, New - Bachelor of Science in Materials Science and Engineering .....	507
Degrees and Certificates .....	11,516
Delta Phi Epsilon, Columbus, OH .....	539
Deltar, Inc., Columbus, OH .....	421,487
Denney Hall - Relocation of Arts and Sciences Honors Program .....	418,456
Devereux Foundation (The), Devon, PA .....	406
Diabetes Research and Education Foundation, Inc., Bridgewater, NJ .....	404

Digital Equipment Corporation, Maynard, MA.....	88,537
Division, Establishment of.....	507
Doan Hall - 1 Center Renovation.....	548,581
Doan Hall - Improvements to Women and Infants Program.....	416,453
Dove Electronics, Inc., Rome, NY.....	93
Dow Chemical Company (The), Midland, MI.....	403
Draut, William "Bill" and Nellie, Scholarship Fund (The).....	276
Dublin City Schools, Dublin, OH.....	91
Duff and Phelps Investment Management Company.....	374,505
Duke University, Durham, NC.....	89
duPont de Nemours, E.I., and Company, Inc., Wilmington, DE.....	270,536
Dynamic Analysis and Testing Associates, Carlsbad, CA.....	242

## E

Easements.....	106,107
Edison Materials Technology Center, Kettering, OH.....	536
Edison, Thomas A., Program, Columbus, OH.....	541,651
Edison Welding Institute, Columbus, OH.....	270-273,407,408
Edmund Niles Huyck Preserve, Inc., Rensselaerville, NY.....	88
Education, Department of, Washington, DC.....	261,400,639-641
Education, Department of, Office of Educational Research and Improvements, Washington, DC.....	82,393,532, 534
Education, Department of, Office of Postsecondary Education, Washington, DC.....	79,81,83,231,232,531
Education, Department of, Office of Special Education and Rehabilitation Services, Washington, DC.....	232,234,256,396, 400,529,530,532
Education Curriculum, General.....	507
Egyptian Government, Washington, DC.....	248,270
Embassy of Arab Republic of Egypt, Washington DC.....	652
Emergency Medicine Foundation, Dallas, TX.....	404
EMTEC, Kettering, OH.....	270
Endowment Summary, The Ohio State University.....	4,113,199,289,372, 427,503,555,622,671
Energy, Department of, Argonne, IL.....	79,82,232,239,257, 260,261,263,393,533
Energy, Department of, Idaho Falls, ID.....	639-643
Energy, Department of, Washington, DC.....	394
Energy, Department of, Morgantown Energy Technology Center, Morgantown, WV.....	644
Energy Control Modifications.....	418,465
Engineering Experiment Station.....	249,407,652
Enrollment Report.....	494-500
Environmental Protection Agency, Chicago, IL.....	86,644
Environmental Protection Agency, Washington, DC.....	80,232,393,394, 396,533,639,640,643
Environmental Resources Information and Education (ERIE).....	389,449
EPRI, Palo Alto, CA.....	92,271
ERDAS, Inc., Atlanta, GA.....	403
Estrich, Robert M., Fellowship Fund (The).....	410
Evans, William Lloyd and Cora Roberts, Fellowship (The).....	100
Evans, William Lloyd, Fellowship Fund (The).....	100
Expenses for Designated Administrative Officials - Report.....	285
Expression of Appreciation.....	109
Exterior Lighting.....	418,463

## F

Farber Corp., Columbus, OH.....	105,153
Farm Science Review, Report on the 1990.....	225,321
Fees and Deposits, Office of.....	381
Fidia, Abano Terme, Italy.....	241
Fiscal Affairs Committee Report.....	390,526,573
Fixed Income Investment Advisors, Reappointment of.....	373
Florida Institute of Phosphate Research, Bartow, FL.....	403
Ford Motor Company, Dearborn, MI.....	272
Ford Motor Company Chair in Electromechanical Systems Fund (The).....	277
Fort Fibres Optiques, Dourdan, France.....	241
Fox, Robert K., Professorship in Chemistry.....	548
Fox, Robert K., Professorship in Chemistry Fund (The).....	548
Francis, Parker B., Foundation, Hanover, NH.....	244
Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, OH.....	91,243
Franklin Park Conservatory Improvements.....	549,583
Franklin Roofing, Inc., Painsville, OH.....	661,710
Functional Development, Dublin, OH.....	104,150
Future Farmers of America, Alexandria, VA.....	540

## G

Gallia County, Ohio - 67.26 Acres in.....	662,715
Garden Club of America (The), New York, NY.....	91
Gas Research Institute, Chicago, IL.....	243
Gay, Lesbian, and Bisexual Affairs, Office of.....	423
Gay and Lesbian Liaison Office.....	552
GE Reco Trailer MD, Cincinnati, OH.....	92
General Biology Annex - Mechanical System.....	418,464
General Dynamics, Fort Worth, TX.....	270,651
General Electric, Lynn, MA.....	249
General Electric Aircraft Engines, Cincinnati, OH.....	249,250,271
General Electric Company, Cincinnati, OH.....	250,266,652
General Electric Company, Milwaukee, WI.....	240
General Electric Foundation, Fairfield, CT.....	539
General Electric Governmental Services, Cherry Hill, NJ.....	265
General Motors Gear Center, Romulus, MI.....	651
Geological Sciences, Department of.....	509
Geology and Mineralogy, Department of.....	509
Georgia, The University of, Athens, GA.....	267,648
GeoVision Systems, Inc., Englewood, CO.....	88
Gerber, Alice B. and Leo F., Cancer Research Endowment Fund (The).....	409
Getty, J. Paul, Trust (The), Los Angeles, CA.....	89
Gioffe Construction, Dublin, OH.....	280,353
Glaxo, Inc., Research Triangle Park, NC.....	647
Global Thermionics, Xenia, OH.....	93
Gloeckner, Fred C., Foundation Inc. (The), New York, NY.....	540
Glucona v.o.f., Deventer, The Netherlands.....	536
Goss Laboratory Renovation - Retrovirus Containment.....	278,327
Granville Exempted Village Schools, Granville, OH.....	404
Grayson-Jockey Club Research Foundation, Inc., Lexington, KY.....	538

Grumman Data Corporation, Woodbury, NY.....	541
Guy, J. A., Inc., Dublin, OH.....	481

## H

Hamilton Local School District, Columbus, OH.....	406,649
Harris, William R. and Doris M., Scholarship Fund in Chemical Engineering (The) .....	409
Harrisburg Pike, Columbus, Ohio - 92.6 Acres on.....	663,719
Haskett Hall - Exterior Masonry Replacement.....	418,461
Haskett Hall - Ventilation and Mechanical Systems .....	418,459
Hasselblad, Erna and Victor, Foundation, Goteborg, Sweden.....	243
Hawley, Chester G. and Lorena C., Athletic Endowment Fund.....	543
Healthcare Financial Management Association, Westchester, IL.....	267
Healy, Bernadine P. (Hospitals Board Appointment) .....	3
Hemophilia Foundation of Michigan, Ann Arbor, MI .....	540
Herrick Drive - Road Resurfacing.....	418,462
Hewlett, William and Flora, Foundation (The), Menlo Park, CA.....	244
Hicks Roofing, New Philadelphia, OH.....	661,710
History of Jennings' Years as President.....	285
Hoffman-LaRoche, Inc., Nutley, NJ.....	266,646
Holdridge Mechanical, Columbus, OH .....	479
Honorary Degrees.....	513-516
Hopkins Hall - Ventilation and Mechanical Systems .....	418,459
Horticultural Research Institute, Washington, DC .....	403
Hospitals Board Appointment .....	3
Hospitals Board Committee Report .....	2,196,369- 372,502,503,622
Hospitals Helicopter Consortium - Trustee for .....	551
Housing and Urban Development, Department of, Washington, DC .....	233
Howland Local School District, Warren, OH.....	648
Huffer Roofing, Columbus, OH.....	474
Hugger, Mildred M., Medical Research Fund (The).....	273

## I

IBM Corporation, Boca Raton, FL.....	407
ICI Pharmaceuticals Group, Wilmington, DE.....	87
Igel, George J., & Company, Inc., Columbus, OH .....	280,353,403
Illinois, University of, Champaign, IL.....	648
Illinois State Board of Education, Springfield, IL.....	247,648
Immke, Leonard J., Jr., and Charlotte L. Immke Chair in Cancer Research Fund (The) .....	375
Indiana Michigan Power Company, Bridgman, MI .....	406
Indiana University, Bloomington, IN.....	243,405
Industrial Commission of Ohio (The), Columbus, OH.....	249
Integrated Central Alarm Monitoring Upgrade.....	418,462
Interior, Department of the, Bureau of Mines, Washington, DC .....	231
Interior, Department of the, Geological Survey, Reston, VA.....	258,260,395,398
Interior, Department of the, National Park Service, Yellowstone National Park, WY .....	86



Interior, Department of the, Office of Surface Mining Reclamation and Enforcement, Pittsburgh, PA .....	642
International Business Machines Corporation, San Jose, CA .....	647
International Business Machines Corporation, Yorktown Heights, NY .....	240
International Development Cooperation Agency, Agency for International Development, Washington, DC .....	230,259,395, 398,530,639,644
International Life Sciences Institute, Washington, DC .....	89
Investment Advisors, Reappointment of .....	504
Investments Committee Report .....	4,113,129,199,289, 307,372,427,439,503, 555,571,622,671,689

## J

Jennings, Edward H., - Portrait of .....	287
Jennings, Martha Holden, Foundation, Cleveland, OH .....	90
Jennings' Years as President, History of .....	286
Jet Electronics and Technology, Inc., Grand Rapids, MI .....	272
Johnston Laboratory - Exterior Masonry Improvements .....	418,461
Joy Electric, Lima, OH .....	280,347
Juvenile Diabetes Foundation International (The), New York, NY .....	267,538

## K

Kelth, Luther M., Professorship in Surgery (The) .....	102
Kelco Builders, Crestline, OH .....	661,708
Keller, Helen, National Center for Deaf-Blind Youth and Adults, Sands Point, NY .....	648
Kellogg, W. K., Foundation, Battle Creek, MI .....	647
Kemper Research Foundation, Milford, OH .....	249
Kettering, C. F., Foundation, Dayton, OH .....	268
Klingenstein Fund, New York, NY .....	268
Kottman Hall - Biotechnology Center Improvements .....	104,149
Kurtz, Helen L., Chair in Chemical Engineering Fund (The) .....	93
Kurtz, Ralph W., Chair in Mechanical Engineering Fund (The) .....	94
Kuwait Government, Safat, Kuwait .....	267

## L

Lab Animal Center Renovations - Animal Pen .....	418,465
Lab Animal Center Renovations - HVAC .....	418,465
Labor, Department of, Bureau of International Labor Affairs, Washington, DC .....	259
Labor, Department of, Bureau of Labor Statistics, Washington DC .....	639
Lamp Engineering in Agriculture Endowment Fund (The) .....	412
Larkins Hall - Exterior Wall Replacement(Phase I) .....	418,457
Lawrence, Jerome, and Robert E. Lee Theatre Research Institute Endowment Fund (The) .....	655
Lazard, W. R., and Company .....	374,505
Lazenby Hall - Third Floor Renovation .....	278,327
Lease of Land and Research Agreement .....	282,357

Legner, C. R., Columbus, OH .....	104,150
Leuchtag, Lois and Ethel, Nursing Scholarship Fund (The) .....	98
Lighting Research Institute, New York, NY .....	540
Lima Regional Campus - Asphalt Improvements .....	419,466
Lima Regional Campus - Galvin Hall Chiller Improvements.....	418,466
Lima Regional Campus - Galvin Hall Lab Fume Hood Exhaust System .....	418,466
Lima Regional Campus - Parking Lot Lighting Upgrade .....	280,340,347
Lima Regional Campus - Reed Hall Power Transformer Replacement .....	418,466
Lima Regional Campus - Reed Hall Water Damage.....	419,467
Limbach Co/Ro-Dan Mechanical, Columbus, OH .....	280,340
Lincoln, Morrill and, Towers Upgrade (Phases II, III and IV) .....	416,451
Lincoln and Morrill Towers - Site Renovation .....	418,465
Lockheed Missiles and Space Company, Sunnydale, CA .....	541
Lumley, John H. and Mildred C., Engineering Endowment Fund (The) .....	653
Lumley, John H. and Mildred C., Medical Research Endowment Fund (The) .....	653

## M

MacArthur, John D. and Catherine T., Foundation, Chicago, IL .....	89
Magnuson, Robert Hubbell, Ophthalmology Education Fund (The) .....	277
Main Library - Roof Replacement (Phase I) .....	418,457
Mansfield Asphalt, Mansfield, OH .....	280,350
Mansfield Regional Campus - Bromfield Hall Facing .....	419,467
Mansfield Regional Campus - Concrete Replacement.....	419,467
Mansfield Regional Campus - HVAC and Electrical Rehabilitation.....	102,147
Mansfield Regional Campus - Roadway and Parking Lot Repairs.....	280,340,350
Map Store (The), Powell, OH.....	88
March of Dimes Birth Defects Foundation, White Plains, NY .....	244,269,404
Marion City Schools System, Marion, OH .....	647
Marion Regional Campus - HVAC Control System.....	419,467
Marion Regional Campus - Parking Lot .....	419,468
Marion Regional Campus - Room Improvements .....	419,467
Marion Regional Campus - Sidewalk Replacement.....	419,467
Martin Marietta Corporation, Denver, CO .....	249
Martin Marietta Corporation, Oak Ridge, TN .....	87
Material Science and Engineering, Bachelor of Science in .....	507
McCracken Power Plant - Rebuild Hot Water Heating Systems .....	279,335
McCracken Power Plant - Replacement of Steam Lines.....	279,335
McCracken Power Plant - Water Treatment Facilities .....	279,335
McDonnell Douglas Corp., St. Louis, MO .....	93,652
Mechanical Improvements (Graves Hall) .....	420,479
Medical Biochemistry, Department of .....	508
Medical Logistical Services Facility Expansion .....	659,699
Medical Service Corporation International, Arlington, VA.....	242
Medicine Class of 1941 Fund (The) .....	657
Meeder, R., and Associates, Inc. ....	505

Melvin, John H. and Ruth W. Endowment Fund (The) .....	656
Metals Properties Council, Inc. (The), New York, NY .....	271
Metcalf, Robert L. (Honorary Degree) .....	515
Miami University, Oxford, OH .....	91
Michigan State University, East Lansing, MI .....	247,405,406
Midwest Universities Consortium for International Activities, Inc., Columbus, OH .....	88,242
Milbank Memorial Fund, New York, NY .....	648
Miles-McClellan Construction, Columbus, OH .....	280,340,353
Milheim Foundation for Cancer Research, Denver, CO .....	248
Mirror Lake Hollow Renovations .....	418,465
Mission Research Corporation, Santa Barbara, CA .....	87,403
Mobil Research and Development Corporation, Paulsboro, NJ .....	241
Molecular Biosystems, Inc., San Diego, CA .....	537
Monsanto Company, St. Louis, MO .....	88
Morrill, Lincoln and, Towers - Site Renovation .....	418,465
Morrill and Lincoln Towers Upgrade (Phases II, III, and IV) .....	416,451
Morris, Dr. Warren G., Memorial Fund (The) .....	275
Morris Animal Foundation, Englewood, CO .....	540
MTS Systems Corporation, Minneapolis, MN .....	240
Muscular Dystrophy Association, New York, NY .....	89,244,268,269
Muskingum County Board of Mental Retardation and Developmental Disabilities, Zanesville, OH .....	269

## N

19th Avenue, 164 West, Building - Elevator .....	278,327
19th Avenue (Neil to College) - Road Resurfacing .....	418,462
Naming of New Wing .....	375
Naming of Street .....	201
National Aeronautics and Space Administration, Washington, DC .....	82,84,236,237, 393,399,529,644
National Aeronautics and Space Administration, Ames Research Center, Moffett Field, CA .....	231,641,642,643
National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, MD .....	84,236,399
National Aeronautics and Space Administration, Langley Research Center, Hampton, VA .....	79,257,398,639
National Aeronautics and Space Administration, Lewis Research Center, Cleveland, OH .....	82,83,85,399
National Association of Regulatory Utility Commissioners, Washington, DC .....	267
National Association of Trade and Technical Schools, Washington, DC .....	405
National Collegiate Athletic Association (The), Overland Park, KS .....	538, 539
National Dairy Promotion and Research Board, Logan, UT .....	404
National Foundation on the Arts and Humanities, National Endowment for the Arts, Washington, DC .....	399,531
National Geographic Society, Washington, DC .....	243
National Institute for Dispute Resolution, Washington, DC .....	649
National Kidney Foundation, Inc., New York, NY .....	405
National Pharmaceutical Council, Inc., Reston, VA .....	404
National Pork Producers Council, Des Moines, IA .....	269

National Science Foundation, Washington, DC .....	79-86,230,232,234- 237,257-263,393-401, 530-534,639,640,642,643
Nature Conservancy, Columbus, OH.....	92
Navy, Department of the, Office of Naval Research, Arlington, VA .....	80,81,83,,262 263,398,399,642
Navy, Department of the, Office of Naval Research, Washington, DC .....	237,238,643
NCR Corporation, Cambridge, OH .....	93
Nebraska Department of Education, Lincoln, NE.....	540
Nebraska, University of, Lincoln, NE.....	90,647
Neoprobe Corporation, Columbus, OH.....	265
Neuberger & Berman Mutual Funds: Guardian Fund and Partners Fund .....	505
New Hampshire, University of, Durham, NH.....	647
Newark Regional Campus - Adena Parking Lot Paving and Lighting.....	419,468
Newark Regional Campus - Founders Hall Electrical Upgrade.....	419,469
Newark Regional Campus - Parking Lot Lighting Replacement .....	419,468
Newark Regional Campus - Student Support Service Remodeling .....	419,468
Newark Regional Campus - Telecommunications and Data Wiring and Switching System.....	419,468
Nicholas-Applegate Capital Management.....	505
Nichols, Roy (speaker).....	552
Nissan Motor Company, Ltd., Kanagawa, Japan.....	270
Non-Mandatory Transfer from Current Funds, Fiscal Year 1989-90 .....	550,585
North Athletic Complex Playing Fields and Coffey Road Intramural Fields.....	280,353
North Atlantic Treaty Organization, Brussels, Belgium .....	91
North Carolina, University of, Chapel Hill, NC .....	89
North Central Technical College, Mansfield, OH .....	90
NOW Electric, Columbus, OH .....	280,353
Nursing Research, Bethesda, MD .....	529,532,534
NutraSweet Company (The), Deerfield, IL .....	266

O

Oakland, Columbus, OH.....	280,353
OARDC - Dairy Maternity and Calf Barn Replacement.....	279,335
OARDC - Fencing and Roads.....	419,470
OARDC - Fisher Auditorium Roof.....	278,327,661,710
OARDC - Mahoning Farm Renovations .....	419,471
OARDC - Northwestern Branch Office and Storage Improvements .....	419,471
OARDC - Pesticide Storage and Handling Building .....	419,470
OARDC - Physical Plant Building Roof.....	278,327,661,710
OARDC - Poultry Research Facility .....	418,456
OARDC - Thorne and Gourley Renovation .....	419,471
OARDC - Union County Farm Drainage Tile Replacement.....	419,470
OARDC - Wooster Campus Road Resurfacing.....	419,470
OARDC - Wooster Campus Water System Improvements .....	419,470
OARDC Support Facilities - Barn Replacement.....	661,708
Ohio - State of, Arts Council, Columbus, OH.....	535, 536

Ohio - State of, Board of Regents, Columbus, OH .....	239,264,402,645
Ohio - State of, Department of Agriculture, Columbus, OH .....	645
Ohio - State of, Department of Commerce, Columbus, OH .....	645
Ohio - State of, Department of Development, Columbus, OH .....	239,264,265,402,535
Ohio - State of, Department of Education, Columbus, OH .....	86,239,264,265,401
Ohio - State of, Department of Health, Columbus, OH .....	239,535,645
Ohio - State of, Department of Human Services, Columbus, OH .....	264,265,535,645
Ohio - State of, Department of Mental Health, Columbus, OH .....	87,264,401,402,645
Ohio - State of, Department of Natural Resources, Columbus, OH .....	239,264,265,402,645
Ohio - State of, Humanities Council, Columbus, OH .....	535
Ohio - State of, Ohio Arts Council, Columbus, OH .....	87,239,402
Ohio - State of, Ohio Arts Council/Ohio Humanities Council Joint Program in the Arts and Humanities, Columbus, OH .....	87
Ohio Aerospace Institute, Brook Park, OH .....	268,647
Ohio and Drake Unions - Report on .....	70
Ohio Corn Marketing Program Board, Marion, OH .....	248,268,269,649
Ohio Council on Economic Education, Columbus, OH .....	269
Ohio Department of Development/Ohio Steel Futures, Columbus, OH .....	650
Ohio Department of Transportation, Columbus, OH .....	92,249,651
Ohio Dominican College, Columbus, OH .....	405
Ohio Edison Program, Columbus, OH .....	407
Ohio Pork Producers Council, Westerville, OH .....	91,92
Ohio Public Facilities Commission, Compliance with Regulations of the .....	108
Ohio River Basin Consortium, Columbus, OH .....	247
Ohio Stadium Bleacher Addition .....	658,697
Ohio State Anesthesia Research Foundation, Columbus, OH .....	243
Ohio State University Campaign Summary (The) - Report .....	199,307
Ohio State University Cancer Hospital Committee Report (The) .....	197
Ohio State University Hospitals Board Committee Report (The) .....	2,196,369- 372,502,503,622
Ohio State University Foundation and Development Fund Receipts (The) - Report .....	504,571
Ohio State University Quarterly Cash and Investments (The) - Report .....	622,689
Ohio State University Research Foundation Report (The) .....	195,368, 389,500,621
Ohio Staters, Inc. Founders Endowment Fund (The) .....	543
Ohio University and the Coal Consortium, Athens, OH .....	541
Ohio University, Athens, OH .....	539
Olin, John M., Foundation, Inc., New York, NY .....	538
Organon, Inc., West Orange, NJ .....	536
Ortho Biotech Division, Cincinnati, OH .....	242
Orton, Edward, Jr., Ceramic Foundation, Westerville, OH .....	651
Oxley Hall - Masonry Improvements .....	418,460

Oxley Hall Rehabilitation.....	420,476
Oxley Hall Window Replacement.....	418,466

## P

Pacific Bell Directory, San Francisco, CA.....	269
Page Hall - Roof Replacement.....	418,460
Palge Construction, Westerville, OH.....	476
Parkinson's Disease Foundation, New York, NY.....	538
Partners for International Education and Training, Washington D.C.....	244,537
Pediatric Education Facility.....	549,583
Pennsylvania, University of, Philadelphia, PA.....	242
Pennsylvania State University (The), Hershey, PA.....	539
Pfizer, Inc., Groton, CT.....	240-242,402,536
Physiological Chemistry, Department of.....	508
Pike County, Ohio - 133.86 Acres In.....	282,357
Pioneer Hi-Bred International, Inc., Johnston, IA.....	87,646
Pittsburgh, University of, Pittsburgh, PA.....	247,249,650
Portrait of Edward H. Jennings.....	287
Postle Hall - Animal Facility.....	418,462
Premium Holiday.....	283
President's Report.....	194,366,492-494,499
Prine, Clara and Cal, Classical Music Broadcast Fund (The).....	656
Procter & Gamble Company (The), Cincinnati, OH.....	240,241,265,266
Property, Sale of Proposed.....	108
Property, Sale of Real.....	282,361,663,715,719
Provoco Big-H OARDC Faculty Research Awards Fund (The).....	99
Public Safety Building - HVAC System Improvement.....	418,462
Puerto Rico Department of Education, Hato Ray, Puerto Rico.....	648
Purdue University, West Lafayette, IN.....	243,537,538

## R

Radico, Inc., Columbus, OH.....	476
Recreation and Intramural Sports, Report on.....	521
Regional Preferred Pharmacy Program.....	422
Renaming of Department.....	508
Research Center - Entrance Road Resurfacing.....	418,463
Research Foundation Report.....	195,368, 389,500,621
Restructuring of the University Administration.....	511
Retirement Credit, Purchase of.....	17,143
Rice, William Marsh, University, Houston, TX.....	90
Richland County Ohio State University Alumni Club The Ohio State University at Mansfield Scholarship Endowment Fund.....	101
Rieser, M., & Associates, Inc., Columbus, OH.....	661,712
Righter Company, Columbus, OH.....	479
Rightmire Hall Renovation (Phase II, Demolition).....	420,485
Riverside Research Institute, New York, NY.....	537
Robinson, Cecil and Eloise, 4-H International Programs Fund (The).....	411
Robinson Laboratory - Balcony Remodeling.....	418,464
Robinson Laboratory - Centrifugal Chiller Replacement.....	418,460
Robinson, Webster, and Frank and Catherine Carrier Cancer Research Endowment Fund (The).....	654
Rochester, The University of, Rochester, NY.....	89,90,650

Rockefeller Foundation (The), New York, NY .....	538
Rockwell International, Thousand Oaks, CA .....	266
Romanoff Electric, Dublin, OH .....	476,481,485
Roof Replacements (Arps Hall) .....	420,474
Rorer Central Research, Horsham, PA .....	402
Rose, Eli E., Endowment Fund (The) .....	98
Ross, Ed, Westerville, OH .....	105,153
Ross Laboratories, Columbus, OH .....	646
Ruben, Bernard R. and Florine C., Cancer Research Endowment Fund (The) .....	408
Rules of the University Faculty .....	6
Rutgers University, Piscataway, NJ .....	268

## S

San Diego Clinical Research Associates, Vista, CA .....	266
Sandia Corporation, Albuquerque, NM .....	646
Sandoz Foundation for Gerontological Research, East Hanover, NJ .....	649
Sandoz, Inc., East Hanover, NJ .....	536,537
Santa Fe Pacific Mining, Inc., Albuquerque, NM .....	88
Sawmill Road, Columbus, OH - 0.83 Acre on .....	282,361
Schottenstein, Geraldine, Wing of The Historic Costume and Textiles Collection (The) .....	375
Semiconductor Research Corp., Research Triangle Park, NC .....	249
Senior Class Gift Endowment Fund - 1987 (The) .....	413
Showa Denko K.K., New York, NY .....	266
Siebel Capital Management, Inc. ....	505
Sigma Xi, New Haven, CT .....	248
Sloan, Alfred P., Foundation, New York, NY .....	244
Smith, Kline & French Laboratories, King of Prussia, PA .....	241
Smith Laboratory - Mechanical System (Part A, B and C) .....	418,457,458
Smokeless Tobacco Research Council, Inc., New York, NY .....	537
Smoot, Sherman R., Co., Columbus, OH .....	485
Snow Aviation International, Columbus, OH .....	407
SoilOrganics, Worthington, OH .....	647
South Dakota Curriculum Center, Pierre, SD .....	270
Southeastern Center for Electrical Engineering Education, St. Cloud, FL .....	539,649
Southeastern Poultry and Egg Association, Decatur, GA .....	89
Southwest Franklin County, 55.4 Acres in .....	421,487
Speer, Julian, Columbus, OH .....	661,706
Springfield, City of, Springfield, OH .....	272
Squibb, (E. R.) & Sons, Princeton, NJ .....	87,266
Starkist Seafood Company, Long Beach, CA .....	88
Starling-Loving Hall - Roof Replacement .....	418,464
State Department of Education, Concord, NH .....	540
Stride Rite Corporation, Cambridge, MA .....	240,646
Stuart Pharmaceuticals, Wilmington, DE .....	88,242
Student Affairs Committee Report .....	70,218-224,381- 389,521-525,630
Student Investment Management Program (The) .....	4,129
Student Life, Office of .....	218
STW Fixed Income Management, Inc. ....	374,505

Substitute House Bill 808, Projects Funded by .....	278,327,417,
	455,549,583
Suhadolnik, Gary C. (Speaker) .....	423
Superconductive Components, Inc., Columbus, OH .....	403
Swain Mechanical, Hilliard, OH .....	104,151
Syverson, Aldrich, Scholarship Fund (The) .....	97

## T

Teaching Excellence, Center for .....	200
Technology Assessment, Office of, Washington DC .....	644
Teledyne Monarch Rubber, Hartville, OH .....	651
Terrill, Helen D., - Hardin County 4-H Endowment Fund (The) .....	415
Texas A & M University, College Station, TX .....	248,539
Texas, University of, Houston, TX .....	540
Tharp, Vernon L., Street .....	201
Thorne, Charles E., Graduate Fellowship Fund (The) .....	274
Thurber Center for Literary Arts .....	549,583
Transportation, Department of, National Highway Traffic Safety Administration, East Liberty, OH .....	84,263,534
Transportation, Department of, Transportation Systems Center, Cambridge, MA .....	643
Transportation, Ohio Department of, Columbus, OH .....	406,407,541
Travis, Everette W. and Rowena R., Scholarship Fund (The) .....	408
Treasurer's Bond .....	200,307
Trustee for The Hospitals Helicopter Consortium .....	551
Turkey, Government of, Ankara, Turkey .....	267

## U

U.S. Information Agency, Washington, DC .....	396
U.S.-Spain Joint Committee for Cultural and Educational Cooperation, Madrid, Spain .....	92
United Nations, Geneva, Switzerland .....	267
United Technologies Sikorsky Aircraft, Stratford, CT .....	87
University Airport Renovation - 1989 .....	110,163
University Hall and William Oxley Thompson Library - Elevator Replacement .....	418,463
University Hospitals Board Appointment .....	3
University Hospitals Board Committee Report .....	2,196,369-
	372,502,503,622
University Hospitals Emergency Department Master Plan - Phase I, Holding Area and Hyperbaric Oxygen Therapy .....	105,149
University Managed (Equities) .....	505
University Managed (Fixed Income) .....	505
University Managed (GNMA's) .....	374,505
University Managed (Students) .....	505
University of Texas, Galveston, TX .....	537
University's Investment Portfolio - Report .....	4,113,199,
	289,372,427,
	503,555,622,671
University's Quarterly Performance Comparison Reports .....	373,439
Unocal, Brea, CA .....	241



Upjohn Company, Kalamazoo, MI.....	242
Upper Arlington City Schools, Upper Arlington, OH.....	268
Utah, The University of, Salt Lake City, UT.....	248
Utility Master Plan.....	660,701

## V

Van de Graff Laboratory - Rooftop Mechanical System Replacement.....	418,461
VanBuren, Fred N., Professorship in Farm Management Fund (The).....	510
Vanmeter, Helen J., John I., and Emma C.,.....	282,357
Veterinary Hospital Improvements.....	420,481
Virgin Islands, Government of the, of the United States, St. Thomas, Virgin Islands.....	247

## W

Walver.....	517
Walters of Competitive Bidding Requirements.....	226,526
Washington, University of, Seattle, WA.....	540,648
Wayne, Anthony, Area Council, Inc., Fort Wayne, IN.....	91
Wells Fargo Investment Advisors (International Equity Index Fund).....	505
Wells Fargo Investment Advisors (Standard and Poor 500 Index Fund).....	505
Welton, Hazael Edward, Endowment Fund (The).....	100
West Campus Remodeling.....	418,464
West Virginia Joint Commission for Vocational-Technical- Occupational Education (The), Charleston, WV.....	89
Westinghouse Electric Corporation, Pittsburgh, PA.....	537
Westinghouse, Sunnyvale, CA.....	249
Westland Mechanical, Reynoldsburg, OH.....	476
Wetland Research, Inc., Chicago, IL.....	536
Williamson Builders, Plain City, OH.....	280,353
Wills, Robert L., Memorial Fund (The).....	413
Window Replacements (Robinson Laboratory and Cockins Hall).....	661,712
Wiseman Hall - Medical Research Facility.....	659,699
Wiseman Hall Mechanical System Improvements (Part A, B and C).....	418,458
World Book Encyclopedia, Chicago, IL.....	403
Wright Memorial Steel Castings Educational Fund (The).....	657

## X

Xoma Corporation, Berkeley, CA.....	403
-------------------------------------	-----

## Y

Yengling, Marion Spurrier, Medical Research Fellowship.....	654
---	-----